

Computer Hardware & Networking (Easy)

1. What is the difference between IPv4 and IPv6?

- A. IPv4 is faster
- B. IPv6 is older
- C. IPv4 is more secure
- D. IPv6 has a larger address space

ANSWER: D

2. What is the POST method used for?

- A. Retrieving data from a server
- B. Sending data to a server
- C. Updating data on a server
- D. Deleting data from a server

ANSWER: B

3. What is the purpose of port 110?

- A. HTTP
- B. FTP
- C. POP3
- D. SMTP

ANSWER: C

4. What is thermal paste used for?

- A. Cooling the CPU
- B. Protecting against static electricity
- C. Cleaning the keyboard
- D. Lubricating moving parts

ANSWER: A

5. What is the role of a reverse proxy?

- A. To monitor outgoing traffic
- B. To provide access control
- C. To distribute incoming requests to multiple servers
- D. To cache web content

ANSWER: C

6. What is latency?

- A. The time taken for a data packet to travel from one point to another
- B. The error rate of a communication channel
- C. Amount of data that can be transmitted over a communication channel in a given amount of time
- D. The type of network topology

ANSWER: A

7. What is the difference between TCP and UDP?

- A. TCP is connection-oriented, UDP is connectionless
- B. TCP is slower than UDP
- C. TCP is unreliable, UDP is reliable
- D. TCP is used for video streaming, UDP is used for email

ANSWER: A

8. Which amongst these is a valid Class B IP address?

- A. 192.168.0.1
- B. 10.1.1.1
- C. 172.16.0.1
- D. 224.0.0.1

ANSWER: C

9. Which layer of the OSI model is responsible for logical addressing?

- A. Data Link
- B. Network
- C. Transport
- D. Physical

ANSWER: B

10. What is the purpose of disk cleanup?
- A. Creating a backup of the hard drive
 - B. Checking for errors on the hard drive
 - C. Combining fragmented files into contiguous blocks
 - D. Deleting unnecessary files

ANSWER: D

11. How can you filter events in the Event Viewer?
- A. By event type, source, and date
 - B. By user account only
 - C. By event description only
 - D. By event ID only

ANSWER: A

12. What are the two types of firewalls?
- A. Internal and external
 - B. Hardware and software
 - C. Public and private
 - D. Static and dynamic

ANSWER: B

13. What is ipconfig?
- A. A network protocol
 - B. A network utility to display network configuration information
 - C. A network topology
 - D. A network device

ANSWER: B

14. Which security feature prevents a user from accessing websites that may contain malware or inappropriate content?
- A. Content Filtering
 - B. Encryption
 - C. Hashing
 - D. Authentication

ANSWER: A

15. What is the color code standard used for Ethernet cables?
- A. TIA/EIA 568A
 - B. EIA/TIA 568B
 - C. Both A and B
 - D. There is no standard color code

ANSWER: C

16. How do you create a chart in OpenOffice Calc?
- A. Use the "Data" -> "Chart" menu
 - B. Use the "Insert" -> "Chart" menu
 - C. Use the "Format" -> "Chart" menu
 - D. All of the above

ANSWER: B

17. What is the purpose of software updates?
- A. To change the operating system
 - B. To improve performance and security
 - C. To increase hardware compatibility
 - D. To reduce storage space

ANSWER: B

18. Which security mechanism ensures that sensitive data is unreadable by unauthorized users?
- A. Hashing
 - B. Encryption
 - C. Authentication
 - D. Content Filtering

ANSWER: B

19. Which communication method requires both the sender and receiver to be active at the same time for data exchange?
- A. Asynchronous Communication
 - B. Synchronous Communication
 - C. Half-Duplex Communication
 - D. Full-Duplex Communication

ANSWER: B

20. What is a repeater?

- A. A device that directs data packets to their destination
- B. A device that amplifies and regenerates network signals
- C. A network device that connects multiple devices together
- D. A device to convert analog signals to digital signals

ANSWER: B

21. What does a red exclamation mark icon next to an event typically indicate?

- A. A successful event
- B. A warning event
- C. An error event
- D. An informational event

ANSWER: C

22. Which network security tool can simulate an environment to attract and analyze potential attackers?

- A. Honeypot
- B. IDS
- C. Firewall
- D. VPN

ANSWER: A

23. What are SNMP messages?

- A. Send, Receive, Acknowledge
- B. Connect, Data, Disconnect
- C. Request, Response, Error
- D. Get, Set, Trap

ANSWER: D

24. What is the difference between an error event and a warning event?

- A. Error events indicate a critical problem, while warning events indicate a potential issue
- B. Error events are less severe than warning events
- C. Error events are always generated by hardware, while warning events are always generated by software
- D. There is no difference between the two

ANSWER: A

25. What is the purpose of the Event Viewer in troubleshooting computer problems?

- A. Prevent future problems
- B. Delete unnecessary files
- C. Fix problems automatically
- D. Identify potential causes of issues

ANSWER: D

26. What is the relationship between SMTP and POP3/IMAP?

- A. SMTP and POP3/IMAP are not related
- B. SMTP is a replacement for POP3/IMAP
- C. SMTP is used for sending emails, while POP3/IMAP is used for receiving emails
- D. SMTP and POP3/IMAP are used for the same purpose

ANSWER: C

27. What is DNS caching?

- A. Compressing DNS data
- B. Encrypting DNS traffic
- C. Storing DNS records locally to improve performance
- D. Protecting DNS servers from attacks

ANSWER: C

28. Which network device is used to connect two or more network segments and reduce collisions?

- A. Hub
- B. Bridge
- C. Router
- D. Repeater

ANSWER: B

29. How do we comment in shell script?

- A. #
- B. /* */
- C. '
- D. //

ANSWER: A

30. What is the range of IP addresses for a Class B network?

- A. 1.0.0.0 to 126.0.0.0
- B. 128.0.0.0 to 191.255.255.255
- C. 192.0.0.0 to 223.255.255.255
- D. 224.0.0.0 to 239.255.255.255

ANSWER: B

31. Which service is used to anonymously browse the internet by hiding the user's IP address?

- A. DNS
- B. DHCP
- C. Proxy Service
- D. Web Service

ANSWER: C

32. What is a DNS zone?

- A. A collection of DNS records for a specific domain
- B. A DNS server
- C. A geographical region served by a DNS server
- D. A type of DNS record

ANSWER: A

33. "cd" command in Linux is used for;

- A. Change directory
- B. Copy dictionary
- C. Create directory
- D. Delete directory

ANSWER: A

34. Which class of IP addresses has the default subnet mask 255.255.0.0?

- A. Class X
- B. Class B
- C. Class C
- D. Class Y

ANSWER: B

35. What is the NTFS file system?

- A. A file system developed by Apple
- B. A file system developed by Linux
- C. A file system developed by Microsoft
- D. A file system developed by Sony

ANSWER: C

36. What is the purpose of the "Scan for hardware changes" option in the Device Manager?

- A. To uninstall hardware
- B. To fix hardware problems
- C. To detect newly installed or modified hardware
- D. To update device drivers

ANSWER: C

37. Which port number is used for the SSH protocol?

- A. 20
- B. 22
- C. 23
- D. 25

ANSWER: B

38. What does the "cat" command do in Linux?

- A. Create a file
- B. Append text to a file
- C. Display the contents of a file
- D. Delete a file

ANSWER: C

39. What is a database server?

- A. A type of hardware
- B. A software application
- C. A network device
- D. A computer that stores and manages databases

ANSWER: D

40. How do you enter a formula in OpenOffice Calc?

- A. Click the "Formula" button
- B. Start with an equal sign (=)
- C. All of these
- D. Use the "Formula" menu

41. ANSWER: B

42. What is the disadvantage of POP?

- A. Limited email storage
- B. Slow download speeds
- C. Emails are deleted from the server after download
- D. Security vulnerabilities

ANSWER: C

43. The default file extension for a presentation created in OpenOffice Impress is

- A. .pptx
- B. .ppt
- C. .odp
- D. .pdf

ANSWER: C

44. Which layer of the OSI model is responsible for flow control?

- A. Network
- B. Data Link
- C. Transport
- D. Session

ANSWER: C

45. What is the Device Manager used for?

- A. Managing files and folders
- B. Managing hardware devices
- C. Managing system processes
- D. Managing network connections

ANSWER: B

46. Which OSI layer is responsible for data formatting and translation?

- A. Physical
- B. Presentation
- C. Application
- D. Transport

ANSWER: B

47. What is a ransomware?

- A. Malware that encrypts files and demands a ransom to decrypt them
- B. A self-replicating program
- C. A virus that infects executable files
- D. A type of antivirus software

ANSWER: A

48. Which protocol is often used as a secure web service?

- A. FTP
- B. HTTPS
- C. SNMP
- D. Telnet

ANSWER: B

49. What is a web server?

- A. A network device
- B. A software application
- C. A type of hardware
- D. A computer that hosts websites

ANSWER: D

50. Which method is commonly used to provide stateless communication in web services?

- A. SOAP
- B. REST
- C. FTP
- D. SMTP

ANSWER: B

51. What is encryption?

- A. Converting data into a secret code
- B. Speeding up data transfer
- C. Compressing data
- D. Storing data

ANSWER: A

52. Which VPN type is best suited for a company that wants to securely connect its remote branch offices?

- A. Client-to-Site VPN
- B. Site-to-Site VPN
- C. Intranet VPN
- D. Extranet VPN

ANSWER: B

53. What is disk defragmentation?

- A. Deleting unnecessary files
- B. Combining fragmented files into contiguous blocks
- C. Creating a backup of the hard drive
- D. Checking for errors on the hard drive

ANSWER: B

54. What is the basic unit of data in OpenOffice Calc?

- A. Worksheet
- B. Cell
- C. Row
- D. Column

ANSWER: B

55. Which of the following is an example of asynchronous communication?

- A. Phone call
- B. Instant messaging
- C. Video conference
- D. Email

ANSWER: D

56. Which protocol is responsible for translating an IP address into a MAC address?

- A. ARP
- B. RARP
- C. DNS
- D. DHCP

ANSWER: A

57. Which VPN protocol provides data integrity and confidentiality through encryption?

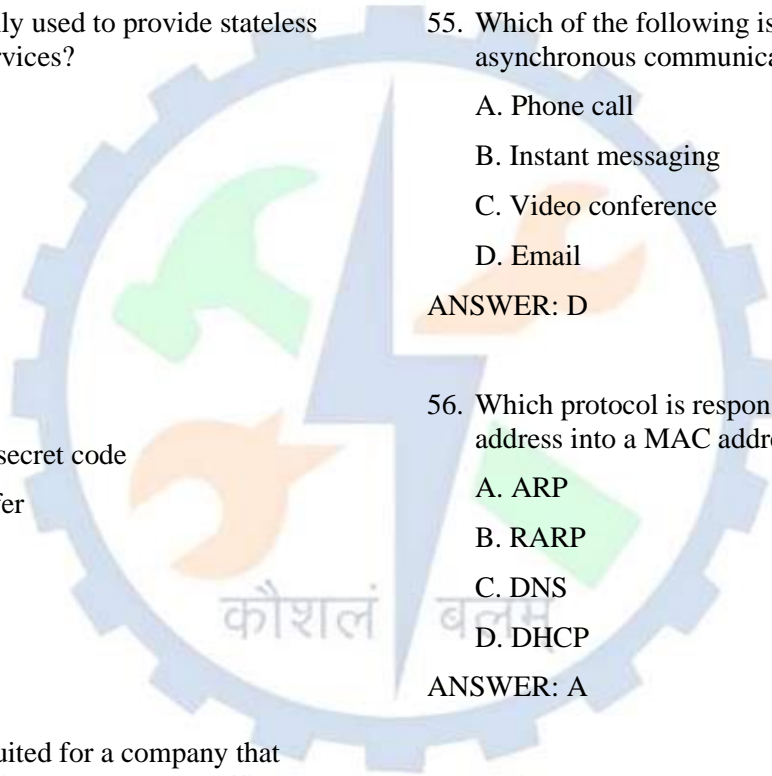
- A. L2TP
- B. OpenVPN
- C. PPTP
- D. GRE

ANSWER: B

58. Which protocol is used by RADIUS for authentication and accounting?

- A. TCP
- B. UDP
- C. ICMP
- D. FTP

ANSWER: B



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59. Which network security device can monitor and analyze network traffic to identify potential threats?

- A. Firewall
- B. IDS
- C. Switch
- D. Router

ANSWER: B

60. What is the most common type of connector used in Ethernet cables?

- A. RJ-16
- B. RJ-45
- C. BNC
- D. USB

ANSWER: B

61. Which technology is used to ensure that data has not been altered during transmission?

- A. Encryption
- B. Hashing
- C. Authentication
- D. Phishing

ANSWER: B

62. What is the primary purpose of a Demilitarized Zone (DMZ) in network security?

- A. To store sensitive data
- B. To isolate public-facing services from the internal network
- C. To filter email content
- D. To manage network traffic

ANSWER: B

63. What is the function of "chown" command in Linux?

- A. Change file owner
- B. Change file permissions
- C. Change file group
- D. Change file name

ANSWER: A

64. Which type of attack involves overwhelming a network with a flood of traffic to disrupt service?

- A. Phishing
- B. Man-in-the-Middle
- C. SQL Injection
- D. Denial of Service (DoS)

ANSWER: D

65. Which device allows multiple computers to share a single Internet connection?

- A. Hub
- B. Repeater
- C. Router
- D. Bridge

ANSWER: C

66. What is the function of a load balancer in a network?

- A. To filter traffic
- B. To distribute traffic across multiple servers
- C. To amplify signals
- D. To translate IP addresses

ANSWER: B

67. Why do we use single quotes and double quotes in a shell script?

- A. Single quotes treat all characters literally, while double quotes allow variable expansion
- B. Single quotes allow variable expansion, while double quotes treat all characters literally
- C. There is no difference between single quotes and double quotes
- D. Single quotes are used for strings, double quotes for numbers

ANSWER: A

68. What is port 21 used for?

- A. HTTPS
- B. FTP
- C. SMTP
- D. DNS

ANSWER: B

69. Which device filters traffic between different segments of a network and operates at the Network layer?

- A. Hub
- B. Switch
- C. Router
- D. Bridge

ANSWER: C

70. A thermal paste is used to:

- A. Improve CPU performance
- B. Conduct electricity
- C. Improve heat transfer between CPU and heatsink
- D. Reduce noise

ANSWER: C

71. CPU serves the purpose of:

- A. Storing data
- B. Inputting data
- C. Outputting data
- D. Processing data

ANSWER: D

72. Who can be said to be a hacker?

- A. Someone who breaks into computer systems
- B. A hardware technician
- C. A computer programmer
- D. A network administrator

ANSWER: A

73. Which network device can regenerate a signal to extend its transmission distance?

- A. Switch
- B. Router
- C. Repeater
- D. Hub

ANSWER: C

74. Which method is used by SOAP to send data over the network?

- A. REST
- B. XML
- C. JSON
- D. HTML

ANSWER: B

75. What is the difference between a well-known port and a registered port?

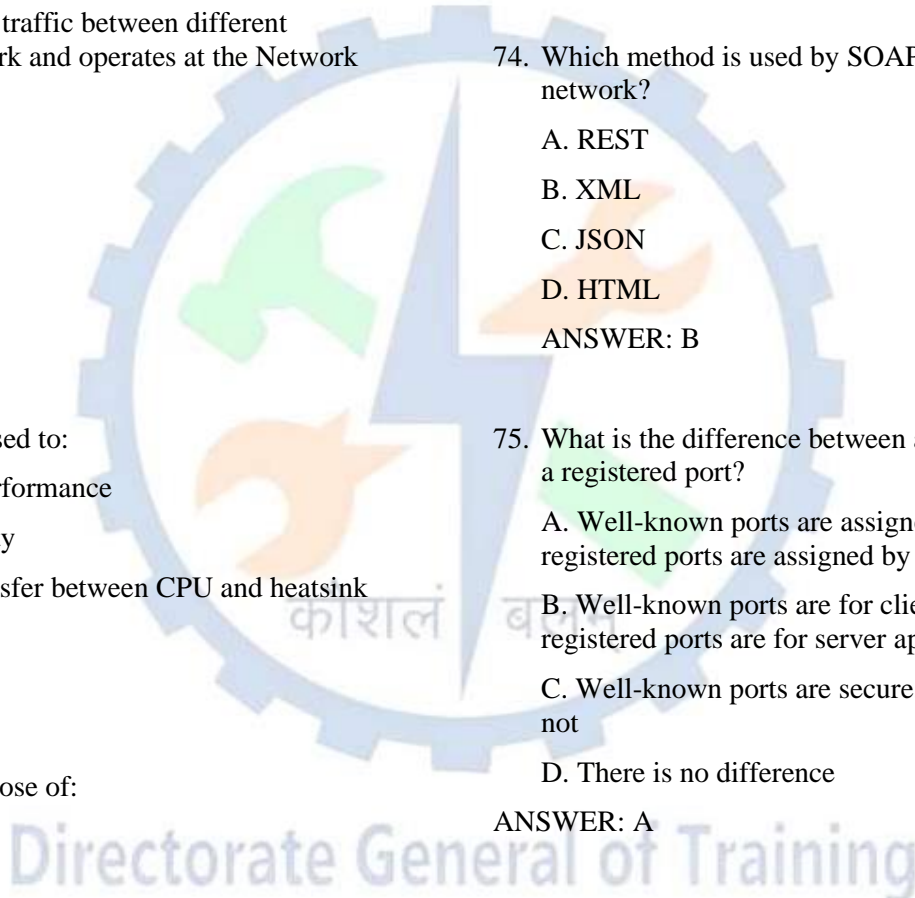
- A. Well-known ports are assigned by IANA, registered ports are assigned by organizations
- B. Well-known ports are for client applications, registered ports are for server applications
- C. Well-known ports are secure, registered ports are not
- D. There is no difference

ANSWER: A

76. What is preventive maintenance?

- A. Repairing a computer after it breaks down
- B. Regularly inspecting and maintaining computer hardware
- C. Upgrading computer components
- D. Installing new software

ANSWER: B



77. Which type of memory is non-volatile and retains data though the power is off?

- A. Cache
- B. Register
- C. ROM
- D. RAM

ANSWER: C

78. Which protocol resolves an IP address to a physical network address?

- A. DNS
- B. SNMP
- C. ARP
- D. RARP

ANSWER: C

79. How does a firewall protect a network?

- A. By monitoring user activity
- B. By blocking all incoming traffic
- C. By allowing all outgoing traffic
- D. By filtering network traffic

ANSWER: D

80. What is FTP used for?

- A. Managing network devices
- B. Sending emails
- C. Transferring files between computers
- D. Browsing the web

ANSWER: C

81. Cable management is important for:

- A. Better aesthetics
- B. Reducing noise
- C. Improving airflow
- D. All of these

ANSWER: D

82. The role of RADIUS in network security is;

- A. To provide encryption for data transmissions
- B. To authenticate and authorize users accessing the network
- C. To filter and block malicious traffic
- D. To resolve IP addresses to MAC addresses

ANSWER: B

83. SMTP is used for

- A. Sending emails
- B. Receiving emails
- C. Storing emails
- D. Filtering emails

ANSWER: A

84. What is the Event Viewer used for?

- A. Viewing system events and errors
- B. Managing hardware devices
- C. Creating system restore points
- D. Monitoring network activity

ANSWER: A

85. FTP active mode is

- A. A mode where the data connection is initiated by the server
- B. A mode where the data connection is initiated by the client
- C. A mode where no data connection is established
- D. A mode where data is transferred without encryption

ANSWER: B

86. Which class of IP addresses is used for large networks and can have over 16 million hosts?

- A. Class A
- B. Class X
- C. Class C
- D. Class Y

ANSWER: A

87. Disk Management is primarily used for

- A. Managing files and folders
- B. Managing hardware devices
- C. Managing system processes
- D. Managing network connections

ANSWER: A

88. A power supply unit (PSU) converts:

- A. DC power to AC power
- B. Data to information
- C. AC power to DC power
- D. Digital signals to analog signals

ANSWER: C

89. When removing a CPU cooler, it's important to:

- A. Remove the motherboard first
- B. Avoid touching the CPU core
- C. Use excessive force
- D. Apply pressure evenly

ANSWER: B

90. What device is used to connect devices within a single network segment?

- A. Hub
- B. Switch
- C. Router
- D. Modem

ANSWER: B

91. Which class of IP addresses is used for multicast groups?

- A. Class X
- B. Class Y
- C. Class A
- D. Class D

ANSWER: D

92. Which class of IP addresses is typically used for small networks with up to 254 hosts?

- A. Class A
- B. Class X
- C. Class C
- D. Class B

ANSWER: C

93. A software license grants:

- A. The right to modify the software
- B. Permission to use the software
- C. Ownership of the software
- D. All of these

ANSWER: B

94. Which component stores the BIOS?

- A. ROM
- B. HDD
- C. SSD
- D. RAM

ANSWER: A

95. Which unit is used to measure the speed of CPU:

- A. Hertz
- B. Bytes
- C. Bits
- D. Watts

ANSWER: A

96. What is a CLI?

- A. A graphical interface for interacting with a computer
- B. A text-based interface for interacting with a computer
- C. A programming language
- D. A type of hardware

ANSWER: B

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97. How does SNMP work?

- A. By using a manager-agent model
- B. By using a cool server model
- C. By using a peer-to-peer model
- D. By using a hybrid model

ANSWER: A

98. A beta version of software is:

- A. The final, released version
- B. A preliminary version for testing
- C. A type of malware
- D. An open-source software

ANSWER: B

99. What is bandwidth?

- A. The amount of data that can be transmitted over a communication channel in a given amount of time
- B. The distance between two points on a network
- C. The number of devices connected to a network
- D. The type of network topology

ANSWER: A

100. The clock speed of a CPU determines:

- A. The amount of data it can process
- B. The speed at which it can execute instructions
- C. The amount of memory it can access
- D. The size of the CPU

ANSWER: B

101. What is the purpose of the "case" statement in a shell script?

- A. To perform conditional execution based on multiple conditions
- B. To create loops
- C. To define functions
- D. To manipulate variables

ANSWER: A

102. What is a file virus?

- A. A virus that infects executable files
- B. A virus that infects the boot sector
- C. A virus that infects email attachments
- D. A virus that infects the operating system

ANSWER: A

103. What is satellite communication?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

104. What is a macro virus?

- A. A virus that infects executable files
- B. A type of antivirus software
- C. A virus that infects macro commands in documents
- D. A hardware component

ANSWER: C

105. What is the function of HTTP?

- A. Transferring data between web clients and servers
- B. Managing email
- C. File transfer
- D. Network address management

ANSWER: A

106. Which storage device is typically the fastest?

- A. Magnetic Tape
- B. Optical Disk Drive (ODD)
- C. Solid State Drive (SSD)
- D. Hard Disk Drive (HDD)

ANSWER: C

107. When installing RAM, it's crucial to:

- A. Use excessive force
- B. Align the notches correctly
- C. Install all RAM sticks in the same slot
- D. Apply thermal paste to the RAM

ANSWER: B

108. What is a zero-day exploit?

- A. A vulnerability that is unknown to the software vendor
- B. A network protocol
- C. A type of antivirus software
- D. A hardware component

ANSWER: A

109. The cooling system in a computer is essential to:

- A. Prevent overheating
- B. Improve performance
- C. Reduce noise
- D. Increase storage capacity

ANSWER: A

110. What is a web server?

- A. A computer that hosts websites
- B. A software application
- C. A network device
- D. A type of hardware

ANSWER: A

111. What is a botnet?

- A. A type of antivirus software
- B. A hardware component
- C. A network of compromised computers controlled by an attacker
- D. A network protocol

ANSWER: C

112. The device that converts analog signals into digital signals is:

- A. Codec
- B. Modem
- C. DAC
- D. Amplifier

ANSWER: B

113. Before installing a CPU, it's important to:

- A. Apply thermal paste directly to the CPU
- B. Check for bent pins
- C. Install the RAM first
- D. Connect the power supply

ANSWER: B

114. Freeware is software that:

- A. Can be used without payment
- B. Requires payment after a trial period
- C. Has a high cost
- D. Is only available for specific operating systems

ANSWER: A

115. A driver is:

- A. A type of hardware
- B. A user interface
- C. A software program that controls hardware
- D. A type of operating system

ANSWER: C

116. Boot sector virus is:

- A. A virus that infects the operating system
- B. A virus that infects the master boot record
- C. A virus that infects executable files
- D. A virus that infects email attachments

ANSWER: B

117. Which class of IP addresses is used for multicast groups?

- A. Class X
- B. Class Y
- C. Class A
- D. Class D

ANSWER: D

118. When installing software, it's important to:

- A. Install all software without considering system requirements
- B. Read and agree to the license agreement
- C. Share the installation file with others
- D. Ignore any prompts or warnings

ANSWER: B

119. Which of the following media access methods is used by Ethernet?

- A. Token Passing
- B. CSMA/CD
- C. Polling
- D. FDMA

ANSWER: B

120. Which component is responsible for converting digital signals to analog signals for display?

- A. Motherboard
- B. CPU
- C. RAM
- D. GPU

ANSWER: D

121. A graphics card is used for:

- A. Storing data
- B. Processing text
- C. Processing images and video
- D. Processing audio

ANSWER: C

122. What is a scareware?

- A. Malware that tries to trick users into buying unnecessary software
- B. A type of antivirus software
- C. A network protocol
- D. A hardware component

ANSWER: A

123. Which class of IP addresses is typically used for small networks with up to 254 hosts?

- A. Class A
- B. Class X
- C. Class C
- D. Class B

ANSWER: C

124. The binary system uses which digits?

- A. 1 and 2
- B. 2 and 3
- C. 0, 1, 2, and 4
- D. 0 and 1

ANSWER: D

125. Proper grounding is essential to prevent:

- A. Overheating
- B. Static electricity damage
- C. Software conflicts
- D. Noise

ANSWER: B

126. What is the default port number for the SMTP protocol?

- A. 21
- B. 20
- C. 25
- D. 110

ANSWER: C

127. What tools are used for crimping?

- A. Crimping tool and wire stripper
- B. Screwdriver and pliers
- C. Multimeter and cable tester
- D. None of the above

ANSWER: A

128. What is the RJ-45 connector used for?

- A. Connecting Ethernet cables
- B. Connecting telephone lines
- C. Connecting coaxial cables
- D. Connecting fiber optic cables

ANSWER: A

129. When installing a graphics card, it's essential to:

- A. Install the card before the CPU
- B. Use a screwdriver to tighten screws
- C. Apply thermal paste to the graphics card
- D. Align the PCIe slot correctly

ANSWER: D

130. Anti-static wrist straps are used to:

- A. Improve computer performance
- B. Connect components to the motherboard
- C. Reduce noise
- D. Prevent damage to components due to static electricity

ANSWER: D

131. What is the color code for Ethernet cables?

- A. A standardized pattern of wire colors for easy identification
- B. A random pattern of wire colors
- C. No color code is required
- D. The color code depends on the cable length

ANSWER: A

132. What is a cryptojacking?

- A. A type of antivirus software
- B. A network protocol
- C. Using someone else's computer to mine cryptocurrency
- D. A hardware component

ANSWER: C

133. Which topology is most susceptible to failure?

- A. Internet
- B. Star
- C. Ring
- D. Mesh

ANSWER: B

134. A standoff is used to:

- A. Improve CPU cooling
- B. Connect cables
- C. Secure the motherboard to the case
- D. Reduce noise

ANSWER: C

135. What is the purpose of the crossover cable?

- A. To connect two computers directly
- B. To connect a computer to a router
- C. To connect a computer to a modem
- D. To connect two hubs

ANSWER: A

136. A software license grants:

- A. The right to modify the software
- B. Permission to use the software
- C. Ownership of the software
- D. All of these

ANSWER: B

137. ROM stands for:
- A. Random Allow Memory
 - B. Recordable Access Memory
 - C. Read Access Memory
 - D. Read Only Memory

ANSWER: D

138. What is a WAN?
- A. Wore Area Network
 - B. Wide Area Network
 - C. Web Any Network
 - D. World Any Network

ANSWER: A

139. Which component acts as the intermediary between the CPU and the main memory?
- A. Cache
 - B. Hard disk
 - C. GPU
 - D. Motherboard

ANSWER: A

140. Malware is:
- A. Malicious software
 - B. A type of hardware
 - C. A computer game
 - D. Beneficial software

ANSWER: A

141. Which component stores the BIOS?
- A. ROM
 - B. HDD
 - C. SSD
 - D. RAM

ANSWER: A

142. When installing software, it's generally recommended to:
- A. Disable antivirus software
 - B. Close other running programs
 - C. Install multiple software at once
 - D. Ignore system requirements

ANSWER: B

143. What media access method is used in a Token Ring network?
- A. CSMA/CD
 - B. CSMA/CA
 - C. Polling
 - D. Token Passing

ANSWER: D

144. A thermal paste should be:
- A. Thickly applied to the CPU
 - B. Applied in a thin, even layer
 - C. Not used at all
 - D. Applied to the heatsink

ANSWER: B

145. An operating system:
- A. Is not essential for computer operation
 - B. Manages computer hardware and software
 - C. Is primarily used for gaming
 - D. Is an application software

ANSWER: B

146. What is a computer virus?
- A. A harmless computer program
 - B. A malicious software program that replicates itself
 - C. A type of hardware malfunction
 - D. A network error

ANSWER: B

147. What is the purpose of a boot sector virus?

- A. Infect the master boot record
- B. Infect email attachments
- C. Infect executable files
- D. Infect the operating system

ANSWER: A

148. In which layer of the OSI model do switches operate?

- A. Application
- B. Data Link
- C. Network
- D. Transport

ANSWER: B

149. What is the function of port 23?

- A. HTTP
- B. FTP
- C. Telnet
- D. SMTP

ANSWER: C

150. How do viruses typically spread?

- A. Through infected files
- B. Through email attachments
- C. Through the internet
- D. All of the above

ANSWER: D

151. What is shareware?

- A. Can be used freely without limitations
- B. Requires payment after a trial period
- C. Is always free
- D. Is only available for specific hardware

ANSWER: B

152. When installing a CPU, it's essential to align:

- A. The pins on the CPU with the socket
- B. The heatsink with the fan
- C. The RAM slots with the CPU
- D. The power supply connectors with the motherboard

ANSWER: A

153. Which unit is used to measure the speed of CPU:

- A. Hertz
- B. Bytes
- C. Bits
- D. Watts

ANSWER: A

154. Before disassembling a computer, it's crucial to:

- A. Unplug it from the power source
- B. Open the case immediately
- C. Remove all software
- D. Take a picture of the internal components

ANSWER: A

155. A software update is typically used to:

- A. Remove unwanted features
- B. Fix bugs and improve performance
- C. Increase hardware requirements
- D. Reduce software functionality

ANSWER: B

156. Which component is responsible for converting digital data into analog signals for audio output?

- A. Sound card
- B. Modem
- C. Amplifier
- D. Speaker

ANSWER: A

157. A computer virus is a;
- A. A type of hardware malfunction
 - B. A malicious software program that replicates itself
 - C. A harmless computer program
 - D. A network error

ANSWER: B

158. What is a mesh topology?
- A. A network topology where all devices are connected to a central cable
 - B. A network topology where devices are connected in a ring
 - C. A network topology where devices are connected to a central hub or switch
 - D. A network topology where devices are connected to multiple other devices

ANSWER: D

159. Which type of memory temporarily stores the data?
- A. ROM
 - B. RAM
 - C. HDD
 - D. SSD

ANSWER: B

160. The primary function of a motherboard is:
- A. Processing data
 - B. Storing data
 - C. Connecting computer components
 - D. Displaying output

ANSWER: C

161. A case fan is used to:
- A. Improve CPU cooling
 - B. Increase storage capacity
 - C. Enhance graphics performance
 - D. Improve airflow within the case

ANSWER: D

162. What is a CLI?
- A. A graphical interface for interacting with a computer
 - B. A text-based interface for interacting with a computer
 - C. A programming language
 - D. A type of hardware

ANSWER: B

163. What is a RAM?
- A. Roll Access Memory
 - B. Read-Only Memory
 - C. Random Access Memory
 - D. Removable Access Memory

ANSWER: C

164. Which among these can be said to be an example of a CLI command?
- A. Click on the "Start" button
 - B. Type "ls" to list files and directories
 - C. Double-click on an icon
 - D. Drag and drop a file

ANSWER: B

165. The clock speed of a CPU determines:
- A. The amount of data it can process
 - B. The speed at which it can execute instructions
 - C. The amount of memory it can access
 - D. The size of the CPU

ANSWER: B

166. A peripheral device is:
- A. An internal component of the computer
 - B. An external device connected to the computer
 - C. A software application
 - D. A type of memory

ANSWER: B

167. Overclocking a CPU means:

- A. Reducing its clock speed
- B. Increasing its clock speed beyond the manufacturer's specifications
- C. Underclocking the GPU
- D. Adding more cores to the CPU

ANSWER: B

168. When organizing cables, it's recommended to:

- A. Use zip ties to bundle cables
- B. Leave cables loose for better airflow
- C. Hide all cables behind the motherboard
- D. Ignore cable management

ANSWER: A

169. How does SNMP work?

- A. By using a manager-agent model
- B. By using a cool server model
- C. By using a peer-to-peer model
- D. By using a hybrid model

ANSWER: A

170. A backup is a:

- A. Copy of data for recovery purposes
- B. Type of software
- C. Open Source
- D. Internet connection

ANSWER: A

171. A heat sink is used to:

- A. Increase CPU performance
- B. Reduce noise
- C. Dissipate heat from the CPU
- D. Store data

ANSWER: C

172. A software update is often delivered through:

- A. Physical media
- B. Email
- C. Online download
- D. Hardware upgrade

ANSWER: C

173. A driver conflict occurs when:

- A. Two or more drivers are incompatible
- B. The operating system is corrupted
- C. The hardware is faulty
- D. The software is outdated

ANSWER: A

174. When installing a power supply unit, it's important to:

- A. Connect all cables before securing the PSU
- B. Align the mounting holes correctly
- C. Install the PSU before the motherboard
- D. Apply thermal paste to the PSU

ANSWER: B

175. A beta version of software is:

- A. The final, released version
- B. A preliminary version for testing
- C. A type of malware
- D. An open-source software

ANSWER: B

176. Which of the following is a GUI element?

- A. Command prompt
- B. Icon
- C. CLI
- D. Terminal

ANSWER: B

177. A software suite is a collection of:

- A. Hardware components
- B. Related software applications
- C. Drivers
- D. Operating systems

ANSWER: B

181. When uninstalling software, it's important to:

- A. Delete the software folder manually
- B. Use the operating system's uninstaller
- C. Restart the computer before uninstalling
- D. Ignore any prompts or warnings

ANSWER: B

178. What is a window manager?

- A. A software application that controls the placement and appearance of windows
- B. A hardware component that manages the display
- C. A type of input device
- D. A network protocol

ANSWER: A

182. What is the characteristic of UDP?

- A. Connectionless
- B. Reliable
- C. Ordered delivery
- D. Error checking

ANSWER: A

179. What is a widget?

- A. A small graphical element that performs a specific function
- B. A type of software application
- C. A hardware component
- D. A network protocol

ANSWER: A

183. After assembling a computer, it's crucial to:

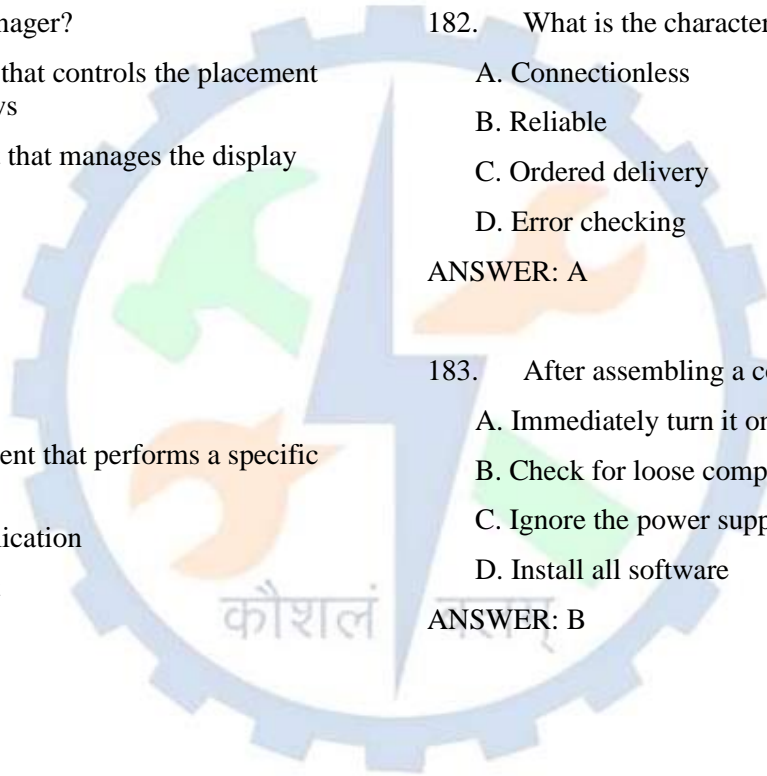
- A. Immediately turn it on
- B. Check for loose components
- C. Ignore the power supply
- D. Install all software

ANSWER: B

180. What is bandwidth?

- A. The amount of data that can be transmitted over a communication channel in a given amount of time
- B. The distance between two points on a network
- C. The number of devices connected to a network
- D. The type of network topology

ANSWER: A



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184. When is UDP used?

- A. For real-time applications like video streaming
- B. For file transfer
- C. For email
- D. For secure data transmission

ANSWER: A

185. What is TCP/IP?

- A. A type of hardware
- B. A software application
- C. A network topology
- D. A suite of protocols used for internet communication

ANSWER: D

186. What is POP?

- A. Post Office Protocol
- B. Public Only Protocol
- C. Private Office Protocol
- D. Personal Office Protocol

ANSWER: A

187. A software patch is used to:

- A. Add new features
- B. Fix minor software issues
- C. Completely reinstall software
- D. Remove unwanted programs

ANSWER: B

188. Open-source software is:

- A. Always free
- B. Has limited functionality
- C. Cannot be modified
- D. Has publicly accessible source code

ANSWER: D

189. A rollback is used to:

- A. Restore a system to a previous state
- B. Upgrade the operating system
- C. Install new software
- D. Increase system performance

ANSWER: A

190. What port is used by the FTP protocol for data transfer?

- A. 20
- B. 27
- C. 23
- D. 25

ANSWER: A

191. It's generally recommended to create a system restore point before:

- A. Installing new hardware
- B. Installing new software
- C. Making significant system changes
- D. All of these

ANSWER: D

192. What is the advantage of UDP over TCP?

- A. Faster
- B. More reliable
- C. Better error checking
- D. More secure

ANSWER: A

193. The difference between full installation and custom installation is;
- A. Full installation installs all components, while custom allows selecting specific features.
 - B. Full installation is faster, while custom is slower.
 - C. Full installation requires more disk space, while custom requires less.
 - D. There is no difference between the two.

ANSWER: A

194. What is the function of "while" loop in a shell script?
- A. To perform conditional execution
 - B. To create loops
 - C. To define functions
 - D. To manipulate variables

ANSWER: B

195. What is a shell?
- A. A hardware component
 - B. A software application that provides a CLI interface
 - C. A programming language
 - D. A network protocol

ANSWER: B

196. What is a silent installation?
- A. An installation that requires no user interaction.
 - B. An installation that is very quiet.
 - C. An installation that does not require administrative privileges.
 - D. An installation that installs only essential files.

ANSWER: A

197. What is the difference between a major and minor software update?
- A. Major updates adds new features, while minor updates fix bugs and improve performance.
 - B. Major updates are paid, while minor updates are free.
 - C. Major updates require a complete reinstallation, while minor updates do not.
 - D. There is no difference between the two.

ANSWER: A

198. What is the purpose of the "ls" command in Linux?
- A. List files and directories
 - B. Create a file
 - C. Copy a file
 - D. Delete a file

ANSWER: A

199. Which of these is a Linux distribution?
- A. Windows
 - B. macOS
 - C. Ubuntu
 - D. Microsoft Office

ANSWER: C

200. What is the function of POP?
- A. Retrieving emails from a mail server
 - B. Sending emails
 - C. Managing email accounts
 - D. Filtering spam

ANSWER: A

201. What is a process?
- A. A running instance of a program
 - B. A type of hardware
 - C. A file system
 - D. A network protocol

ANSWER: A

202. How do you assign a value to a variable in a shell script?

- A. Using '=' operator
- B. Using 'let' keyword
- C. Using 'declare' keyword
- D. Using 'set' command

ANSWER: A

203. What is the function of "cp" command in Linux?

- A. Copy files or directories
- B. Create files or directories
- D. Compare files
- D. Delete files or directories

ANSWER: A

204. How does IMAP differ from POP3?

- A. IMAP allows multiple devices to access emails simultaneously
- B. IMAP downloads emails to the client
- C. IMAP is faster than POP3
- D. IMAP is less secure than POP3

ANSWER: A

205. What is a kernel in an operating system?

- A. The core component that manages hardware and software
- B. A user interface
- C. A type of application software
- D. A network protocol

ANSWER: A

206. What is a shell script?

- A. A graphical user interface script
- B. A text-based program that runs in a shell environment
- C. A programming language
- D. A type of hardware

ANSWER: B

207. What is IMAP4rev1?

- A. An updated version of IMAP with improved features
- B. A security protocol for IMAP
- C. A compression method for IMAP
- D. A type of IMAP client

ANSWER: A

208. What is a template in Word?

- A. A pre-formatted document that can be used as a starting point
- B. A type of chart
- C. A formula for calculating values
- D. A data validation rule

ANSWER: A

209. What is the function of the "mv" command in Linux?

- A. Move or rename files or directories
- B. Modify files or directories
- C. Make a copy of files or directories
- D. Delete files or directories

ANSWER: A

210. What is a presentation?

- A. A collection of slides containing text, images, and multimedia
- B. A document containing text and images
- C. A spreadsheet with data
- D. A database for storing information

ANSWER: A

211. What purpose does the "mkdir" command fulfil in Linux?

- A. Make directory
- B. Move directory
- C. Modify directory
- D. Delete directory

ANSWER: A

212. What is the function of Microsoft Word?

- A. Creating spreadsheets
- B. Creating presentations
- C. Creating documents
- D. Managing databases

ANSWER: C

213. What is database management system (DBMS)?

- A. Software for creating, managing, and accessing databases
- B. A type of hardware
- C. A programming language
- D. A network protocol

ANSWER: A

214. What is a fiber optic cable?

- A. A type of wired transmission media
- B. A type of wireless transmission media
- C. A network device
- D. A software application

ANSWER: A

215. What is the purpose of the "for" loop in a shell script?

- A. To perform conditional execution
- B. To create loops
- C. To define functions
- D. To manipulate variables

ANSWER: B

216. How do ISPs provide internet access?

- A. Through dial-up, DSL, cable, fiber optic, and satellite connections
- B. Only through Wi-Fi
- C. Exclusively through Ethernet cables
- D. By using only cellular networks

ANSWER: A

217. What is spreadsheet?

- A. A document containing text and images
- B. A table of organized data
- C. A presentation with slides
- D. A database for storing information

ANSWER: B

218. What is the difference between a dial-up and broadband connection?

- A. Dial-up is slower and uses a phone line, while broadband is faster and uses various technologies
- B. Dial-up is faster and uses a phone line, while broadband is slower and uses various technologies
- C. There is no difference between dial-up and broadband
- D. Dial-up is used for wired connections, while broadband is used for wireless connections

ANSWER: A

219. What is a chart in a spreadsheet?

- A. A graphical representation of data
- B. A formula for calculating values
- C. A database table
- D. A text format

ANSWER: A

220. What is the purpose of the "grep" command in a shell script?

- A. To search for text patterns in files
- B. To create files
- C. To modify file permissions
- D. To change file ownership

ANSWER: A

221. What is a database?

- A. A collection of organized information
- B. A type of software application
- C. A hardware component
- D. A network protocol

ANSWER: A

222. What is a variable in a shell script?

- A. A named storage location for data
- B. A keyword
- C. A function
- D. A control structure

ANSWER: A

223. What is the function of Microsoft Excel?

- A. Creating spreadsheets
- B. Creating presentations
- C. Creating documents
- D. Managing databases

ANSWER: A

224. What is the purpose of the "case" statement in a shell script?

- A. To perform conditional execution based on multiple conditions
- B. To create loops
- C. To define functions
- D. To manipulate variables

ANSWER: A

225. What is a software dependency?

- A. A requirement for specific hardware components.
- B. A requirement for other software to function correctly.
- C. A need for internet connection during installation.
- D. A limitation on the number of users.

ANSWER: B

226. What is the purpose of a software registry?

- A. Stores user preferences and settings
- B. Manages hardware drivers
- C. Controls the operating system
- D. All of these

ANSWER: A

227. What is broadband internet?

- A. A high-speed internet connection
- B. A low-speed internet connection
- C. A type of wireless connection
- D. A type of wired connection

ANSWER: A

228. Which office suite is most widely used?

- A. LibreOffice
- B. Microsoft Office
- C. Google Docs
- D. Apple iWork

ANSWER: B

229. What is the primary function of Microsoft PowerPoint?

- A. Creating spreadsheets
- B. Creating presentations
- C. Creating documents
- D. Managing databases

ANSWER: B

230. What is a pivot table in OpenOffice Calc?

- A. A type of chart
- B. A way to summarize and analyze data
- C. A formula for calculating values
- D. A database function

ANSWER: B

231. What is soft link in Linux?

- A. A physical copy of a file
- B. A pointer to another file
- C. A type of hardware device
- D. A network protocol

ANSWER: B

232. What does the "exit" command do in a shell script?

- A. Terminates the script execution
- B. Displays a message
- C. Performs the arithmetic operations
- D. Creates a loop

ANSWER: A

233. What is a function in a shell script?

- A. A reusable block of code
- B. A variable
- C. A control structure
- D. A command

ANSWER: A

234. What is the difference between HTTP and HTTPS?

- A. HTTPS uses encryption, HTTP does not
- B. HTTP is faster than HTTPS
- C. HTTP is used for email, HTTPS is used for web browsing
- D. There is no difference

ANSWER: A

235. What is a mail merge in Word?

- A. Combining a document template with a data source to create personalized documents
- B. Sending an email from within Word
- C. Merging multiple documents into one
- D. Formatting text in a specific style

ANSWER: A

236. What is a Linux distribution?

- A. A type of hardware
- B. A programming language
- C. A complete operating system based on the Linux kernel
- D. A network protocol

ANSWER: C

237. What is a database relationship?

- A. A connection between two tables based on a common field
- B. A formula for calculating values
- C. A chart type
- D. A report format

ANSWER: A

238. What is macro in Excel?

- A. A pre-defined formula
- B. A recorded series of actions that can be automated
- C. A chart type
- D. A data validation rule

ANSWER: B

239. What is the "sudo" command in Linux?

- A. To switch users
- B. To execute commands with superuser privileges
- C. To edit files
- D. To create directories

ANSWER: B

240. What is a package manager in Linux?

- A. A software tool for installing, managing, and removing software packages
- B. A type of hardware
- C. A programming language
- D. A network protocol

ANSWER: A

241. What is a slide master in PowerPoint?

- A. A predefined layout for slides
- B. A special type of chart
- C. A sound effect
- D. A transition effect

ANSWER: A

242. A chipset is:
- A. A type of software
 - B. A group of integrated circuits on the motherboard
 - C. A cooling device
 - D. A storage device

ANSWER: B

243. What is a process ID (PID)?
- A. An unique identifier for a running process
 - B. A file permission
 - C. A network port number
 - D. A hardware address

ANSWER: A

244. What is a query in a database?
- A. A request for information from a database
 - B. A table in a database
 - C. A record in a database
 - D. A field in a database

ANSWER: A

245. What is a user group in Linux?
- A. A collection of users with similar privileges
 - B. A physical group of people
 - C. A software application
 - D. A hardware component

ANSWER: A

246. What is a file permission in Linux?
- A. Controls who can access and modify a file
 - B. Determines the file size
 - C. Specifies the file type
 - D. Indicates the file creation date

ANSWER: A

247. What is the default file extension for a document created in OpenOffice Writer?

- A. .docx
- B. .doc
- C. .odt
- D. .txt

ANSWER: C

248. What does the "chmod" command do in Linux?

- A. Change file owner
- B. Change file permissions
- C. Change file group
- D. Change file name

ANSWER: B

249. What is OpenOffice?

- A. A web browser
- B. An operating system
- C. A free and open-source office suite
- D. A programming language

ANSWER: C

250. What is a device driver?

- A. A software program that allows the operating system to communicate with hardware
- B. A type of hardware component
- C. A file system
- D. A network protocol

ANSWER: A

251. What does the "trap" command do in shell script?

- A. To handle signals and errors
- B. To create functions
- C. To perform arithmetic operations
- D. To control the flow of the script

ANSWER: A

252. What is a pivot table in Excel?

- A. A chart type
- B. A data analysis tool for summarizing and organizing data
- C. A formula for calculating values
- D. A database function

ANSWER: B

253. How do you open the Device Manager in Windows?

- A. Right-click the Start button and select "Device Manager"
- B. Open the Control Panel and select "Device Manager"
- C. Both A and B
- D. None of these

ANSWER: C

254. What is the purpose of the "awk" command in a shell script?

- A. Text processing and pattern matching
- B. Creating files
- C. Modifying file permissions
- D. Changing file ownership

ANSWER: A

255. What is a pivot chart in Excel?

- A. A graphical representation of pivot table data
- B. A type of chart
- C. A formula for calculating values
- D. A data validation rule

ANSWER: A

256. What is a database query language?

- A. A language used to interact with and manipulate databases
- B. A programming language
- C. A scripting language
- D. A markup language

ANSWER: A

257. What is the purpose of the "eval" command in a shell script?

- A. To evaluate an expression
- B. To create a function
- C. To handle signals
- D. To change the working directory

ANSWER: A

258. The expansion slots on a motherboard are used to:

- A. Install additional memory
- B. Install expansion cards
- C. Connect cables
- D. Secure the CPU

ANSWER: B

259. How do you insert a picture into OpenOffice Draw?

- A. Use the "Insert" -> "Picture" menu
- B. Copy and paste the picture
- C. Drag and drop the picture
- D. All of the above

ANSWER: D

260. BIOS is the acronym for:

- A. Basic Input Output System
- B. Binary Input Output System
- C. Built-in Input Output System
- D. Basic Internal Output System

ANSWER: A

261. What is a modem?

- A. A device that modulates and demodulates signals for data transmission
- B. A network device that connects multiple devices together
- C. A device that amplifies network signals
- D. A device that converts digital signals to analog signals

ANSWER: A

262. What is the purpose of the "xargs" command in a shell script?

- A. Builds command lines from standard input
- B. Creating files
- C. Modifying file permissions
- D. Changing file ownership

ANSWER: A

263. What is the purpose of the "test" command or the square brackets [] in a shell script?

- A. To perform arithmetic operations
- B. To create functions
- C. To test conditions and make decisions
- D. To handle signals

ANSWER: C

264. What is a hub?

- A. A network device that connects multiple devices together
- B. A device that directs data packets to their destination
- C. A device that amplifies network signals
- D. A device to convert analog signals to digital signals

ANSWER: A

265. What is OpenOffice Draw primarily used for?

- A. Creating text documents
- B. Creating spreadsheets
- C. Creating presentations
- D. Creating diagrams and illustrations

ANSWER: D

266. What is a conditional formatting in Excel?

- A. Applying specific formatting based on certain conditions
- B. A chart type
- C. A formula for calculating values
- D. A data validation rule

ANSWER: A

267. What is SNMPv3?

- A. The latest version of SNMP with improved security
- B. An older version of SNMP
- C. A specific type of SNMP message
- D. A network management tool

ANSWER: A

268. What is the purpose of the "return" statement in a shell script function?

- A. To return a value from the function
- B. To exit the script
- C. To create a loop
- D. To handle signals

ANSWER: A

269. Which of the following is NOT a core component of OpenOffice?

- A. Writer
- B. Excel
- C. Calc
- D. Impress

ANSWER: B

270. What is DHCP?

- A. Dynamic Host Configuration Protocol
- B. Digital Host Configuration Protocol
- C. Dynamic Host Control Protocol
- D. Distributed Host Control Protocol

ANSWER: A

271. What is a relative cell reference in OpenOffice Calc?

- A. A cell reference that changes when a formula is copied
- B. A cell reference that remains constant when a formula is copied
- C. A type of chart
- D. A data validation rule

ANSWER: A

272. What is the purpose of the "here document" (<<) in a shell script?
- A. To redirect output to a file
 - B. To create a multi-line string
 - C. To define a function
 - D. To handle signals

ANSWER: B

273. What is the purpose of the "shift" command in a shell script?
- A. To shift the positional parameters
 - B. To change the working directory
 - C. To create a function
 - D. To exit the script

ANSWER: A

274. What is DNS?
- A. Domain Name System
 - B. Dual Name System
 - C. Digital Name System
 - D. Distributed Name System

ANSWER: A

275. What is a connector in OpenOffice Draw?
- A. A line that connects two objects
 - B. A type of shape
 - C. A text box
 - D. A picture

ANSWER: A

276. What is the purpose of the "getopts" command in a shell script?
- A. To parse command-line arguments
 - B. To create functions
 - C. To handle signals
 - D. To perform arithmetic operations

ANSWER: A

277. What is IMAP?
- A. Internet Message Access Protocol
 - B. Integrated Mail Access Protocol
 - C. Interactive Message Allow Protocol
 - D. Independent Message Access Problem

ANSWER: A

278. What is a custom view in the Event Viewer?
- A. A predefined filter for events
 - B. A user-defined filter for events
 - C. A type of event log
 - D. A way to clear event logs

ANSWER: B

279. What is the function of the SUM function in OpenOffice Calc?
- A. Adds a range of numbers
 - B. Averages a range of numbers
 - C. Counts the number of cells
 - D. Finds the maximum value

ANSWER: A

280. How does SMTP work?
- A. By using a client-server model
 - B. By using a peer-to-peer model
 - C. By using a cloud-based system
 - D. By using a hybrid model

ANSWER: A

281. Which OSI layer is responsible for establishing, managing, and terminating sessions?
- A. Session
 - B. Presentation
 - C. Application
 - D. Transport

ANSWER: A

282. What is IMAP used for?
- A. Transferring files between computers
 - B. Sending emails
 - C. Retrieving emails from a server
 - D. Managing network devices

ANSWER: C

283. What is the function of the AVERAGE function in OpenOffice Calc?
- A. Adds a range of numbers
 - B. Averages a range of numbers
 - C. Counts the number of cells
 - D. Finds the maximum value

ANSWER: B

284. What is the purpose of the "sed" command in a shell script?
- A. Stream editor for filtering and transforming text
 - B. Creating files
 - C. Modifying file permissions
 - D. Changing file ownership

ANSWER: A

285. What is a filter in OpenOffice Calc?
- A. A way to display only specific data based on criteria
 - B. A type of chart
 - C. A formula for calculating values
 - D. A data validation rule

ANSWER: A

286. How does DNS work?
- A. By using a hierarchical database of domain names and IP addresses
 - B. By storing all domain names and IP addresses in a single database
 - C. By using a centralized server to manage all domain names
 - D. By using peer-to-peer technology

ANSWER: A

287. What is a conditional formatting in OpenOffice Calc?
- A. Applying specific formatting based on certain conditions
 - B. A type of chart
 - C. A formula for calculating values
 - D. A data validation rule

ANSWER: A

288. FTP operates on which port numbers?
- A. 21 and 27
 - B. 25 and 118
 - C. 80 and 443
 - D. 21 and 20

ANSWER: D

289. What is an absolute cell reference in OpenOffice Calc?
- A. A cell reference that changes when a formula is copied
 - B. A cell reference that remains constant when a formula is copied
 - C. A type of chart
 - D. A data validation rule

ANSWER: B

290. What is the difference between FTP and SFTP?
- A. SFTP is secure, FTP is not
 - B. SFTP is faster than FTP
 - C. SFTP is used for file sharing, FTP is used for email
 - D. There is no difference

ANSWER: A

291. What is a layer in OpenOffice Draw?
- A. A way to organize objects
 - B. A type of shape
 - C. A text box
 - D. A picture

ANSWER: A

292. What is FTP?

- A. File Transfer Protocol
- B. Few Transfer Protocol
- C. File Transmission Protocol
- D. Frequent Transfer Protocol

ANSWER: A

293. What does the "echo" command do in a shell script?

- A. To display text on the screen
- B. To create a file
- C. To perform calculations
- D. To control the flow of the script

ANSWER: A

294. Which port is commonly used for HTTP traffic?

- A. 21
- B. 22
- C. 80
- D. 443

ANSWER: C

295. What is the relationship between WINS and DNS?

- A. WINS is used for NetBIOS name resolution, DNS is used for domain name resolution
- B. WINS is a replacement for DNS
- C. WINS and DNS are used for the same purpose
- D. WINS is part of the DNS protocol

ANSWER: A

296. What is the purpose of the Clear Event Log option?

- A. Deletes all events from a log
- B. Deletes events older than a specified date
- C. Deletes events from a specific source
- D. Deletes events with a specific event ID

ANSWER: A

297. What is a form in OpenOffice Base?

- A. A user interface for entering and editing data
- B. A table
- C. A query
- D. A report

ANSWER: A

298. How does WINS work?

- A. By maintaining a database of NetBIOS names and IP addresses
- B. By using DNS to resolve NetBIOS names
- C. By broadcasting NetBIOS name requests
- D. By using a peer-to-peer approach

ANSWER: A

299. What is a virus signature?

- A. A unique pattern of code that identifies a virus
- B. A type of antivirus software
- C. A computer hardware component
- D. A network protocol

ANSWER: A

300. What is a table in OpenOffice Base?

- A. A collection of related data
- B. A type of chart
- C. A query
- D. A form

ANSWER: A

301. What is OpenOffice Base used for?

- A. Creating databases
- B. Creating spreadsheets
- C. Creating presentations
- D. Creating diagrams

ANSWER: A

302. What is a report in OpenOffice Base?

- A. A formatted presentation of data
- B. A table
- C. A query
- D. A form

ANSWER: A

303. Which OSI layer converts digital signals into electrical signals?

- A. Application
- B. Physical
- C. Data Link
- D. Transport

ANSWER: B

304. What are the two main types of transmission media?

- A. Wired and wireless
- B. Digital and analog
- C. Synchronous and asynchronous
- D. Broadcast and point-to-point

ANSWER: A

305. How is an intranet different from the internet?

- A. Intranets are private, while the internet is public
- B. Intranets are slower than the internet
- C. Intranets do not use computers
- D. Intranets are only accessible to mobile devices

ANSWER: A

306. What does a yellow exclamation mark next to a device in the Device Manager typically indicate?

- A. The device is working correctly
- B. The device has a problem
- C. The device is disabled
- D. The device is not installed

ANSWER: B

307. What is a transition effect in OpenOffice Impress?

- A. The animation effect between slides
- B. A type of chart
- C. A formula for calculating values
- D. A data validation rule

ANSWER: A

308. What is a logical drive?

- A. A physical division of a hard drive
- B. A logical division of a partition
- C. A file system format
- D. A type of file

ANSWER: B

309. Which layer of the OSI model handles error correction and flow control?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

ANSWER: B

310. What is the purpose of disk checking?

- A. Checking for errors on the hard drive
- B. Deleting unnecessary files
- C. Combining fragmented files into contiguous blocks
- D. Creating a backup of the hard drive

ANSWER: A

311. What is an IP address?

- A. A unique identifier assigned to each device on a network
- B. A type of software
- C. An antivirus
- D. A network protocol

ANSWER: A

312. What is a file system?
- A. A method of organizing and storing files on a storage device
 - B. A physical division of a hard drive
 - C. A logical division of a partition
 - D. A type of file

ANSWER: A

313. What is an ISP?
- A. A company that provides internet access
 - B. A software application for internet browsing
 - C. A type of network hardware
 - D. A network protocol

ANSWER: A

314. How can you uninstall the device in Device Manager?
- A. Right-click the device and select "Uninstall device"
 - B. Delete the device's driver file
 - C. Disconnect the device from the computer
 - D. Use the "Uninstall" program

ANSWER: A

315. What is a URL?
- A. Uniform Resource Locator
 - B. Unified Resource Link
 - C. Unique Resource Locator
 - D. United Resource List

ANSWER: A

316. What is the role of an ISP?
- A. Connecting users to the internet
 - B. Developing web applications
 - C. Manufacturing network devices
 - D. Creating network protocols

ANSWER: A

317. How can you troubleshoot a device problem using the Device Manager?
- A. Check for yellow exclamation marks
 - B. Update device drivers
 - C. Uninstall and reinstall the device
 - D. All of these

ANSWER: D

318. What is an intranet?
- A. Private network within an organization
 - B. Public network
 - C. A software
 - D. Hardware

ANSWER: A

319. Which layer of the OSI model is responsible for routing packets between networks?
- A. Physical layer
 - B. Data link layer
 - C. Network layer
 - D. Transport layer

ANSWER: C

320. A bus is:
- A. A physical channel for data transfer
 - B. A type of software
 - C. A storage device
 - D. A cooling component

ANSWER: A

321. What is the primary function of WINS?
- A. Resolving NetBIOS names to IP addresses
 - B. Providing dynamic IP addresses
 - C. Securing network traffic
 - D. Monitoring network performance

ANSWER: A

322. What is a heuristic scan?

- A. An antivirus scan that uses predefined virus signatures
- B. An antivirus scan to analyzes file behavior
- C. An antivirus software
- D. A hardware

ANSWER: B

323. What is a Trojan horse?

- A. A malicious program disguised as legitimate software
- B. A self-replicating program
- C. A virus that infects the boot sector
- D. A type of antivirus software

ANSWER: A

324. What are some challenges with SNMP?

- A. Security vulnerabilities
- B. Scalability issues
- C. Complexity
- D. All of these

ANSWER: D

325. What is the purpose of the subscription feature in the Event Viewer?

- A. To receive notifications when specific events occur
- B. To save event logs automatically
- C. To filter events based on specific criteria
- D. To clear event logs automatically

ANSWER: A

326. What is SNMP used for?

- A. Monitoring and managing network devices
- B. Transferring files between computers
- C. Sending emails
- D. Browsing the web

ANSWER: A

327. What is a spyware?

- A. Software that collects information about a user without their consent
- B. A self-replicating program
- C. A virus that infects executable files
- D. A type of antivirus software

ANSWER: A

328. Which layer of the TCP/IP model is responsible for end-to-end communication?

- A. Application layer
- B. Transport layer
- C. Internet layer
- D. Network access layer

ANSWER: B

329. What is a firewall?

- A. A hardware or software security system to monitor incoming as well as outgoing network traffic
- B. An antivirus software
- C. A program that scans for viruses
- D. A device that protects against hardware failures

ANSWER: A

330. What is a DNS resolver?

- A. A software application that queries DNS servers
- B. A hardware device that stores DNS information
- C. A network protocol
- D. A type of DNS record

ANSWER: A

331. What is the port number for HTTPS traffic?

- A. 25
- B. 443
- C. 110
- D. 23

ANSWER: B

332. What is WINS?

- A. A name resolution service for NetBIOS names
- B. A dynamic host configuration protocol
- C. A network management protocol
- D. A security protocol

ANSWER: A

333. What is the function of IP?

- A. Delivering data packets from source to destination
- B. Managing network addresses
- C. Providing reliable data transmission
- D. Ensuring data security

ANSWER: A

334. What is a packet filter firewall?

- A. A firewall that examines individual packets of data
- B. A firewall that inspects entire connections
- C. A firewall that uses artificial intelligence
- D. A firewall that is hardware-based

ANSWER: A

335. What is a rootkit?

- A. Malware that hides its presence on a computer
- B. A self-replicating program
- C. A virus that infects executable files
- D. A type of antivirus software

ANSWER: A

336. What is a port number?

- A. A unique identifier for a process or application on a computer
- B. A physical address of a network device
- C. A network protocol
- D. A type of network topology

ANSWER: A

337. What is a social engineering attack?

- A. A type of malware
- B. A technique used to manipulate people to reveal personal information
- C. A hardware failure
- D. A network error

ANSWER: B

338. Which VPN protocol is known for its simplicity and ease of use but has weaker security features?

- A. PPTP
- B. IPsec
- C. L2TP
- D. OpenVPN

ANSWER: A

339. What is the default port number for SMTP?

- A. 224
- B. 25
- C. 53
- D. 110

ANSWER: B

340. What is the role of SMTP in email communication?

- A. Sending emails
- B. Receiving emails
- C. Storing emails
- D. Delivering emails to the final recipient

ANSWER: A

341. What is port 80 used for?

- A. HTTP
- B. FTPS
- C. SMTP
- D. DNS

ANSWER: A

342. What is a solid-state drive (SSD)?

- A. A type of primary storage with no moving parts
- B. A type of optical storage
- C. A type of input device
- D. A type of output device

ANSWER: A

344. What is a GPU?

- A. Graphical Processing Utility
- B. Generalised Processing Unit
- C. Game Processing Unit
- D. Graphics Processing Unit

ANSWER: D

343. Which topology is most suitable for coaxial cable?

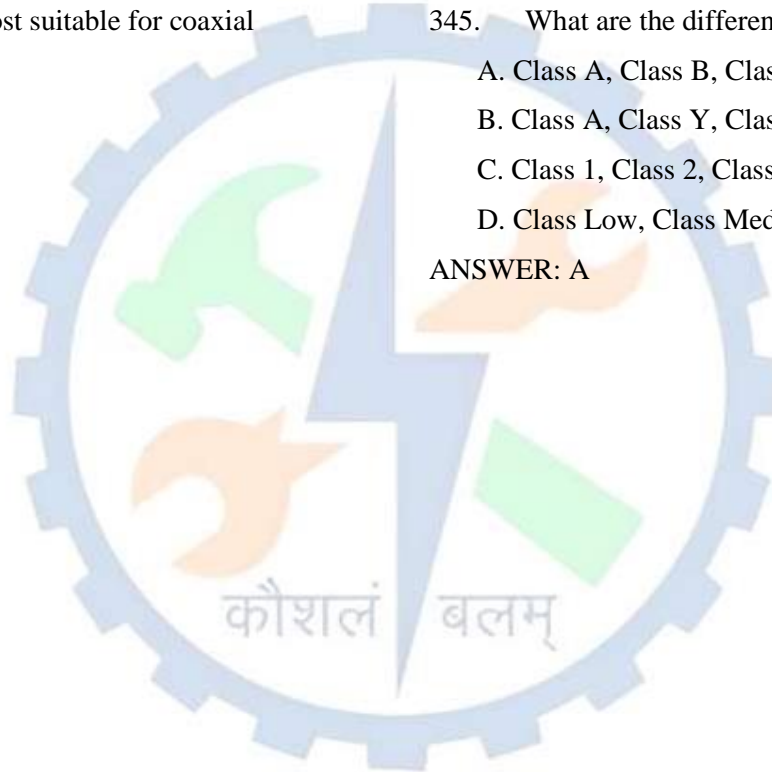
- A. Bus
- B. Mesh
- C. Star
- D. Ring

ANSWER: A

345. What are the different classes of IP addresses?

- A. Class A, Class B, Class C
- B. Class A, Class Y, Class Z
- C. Class 1, Class 2, Class 3
- D. Class Low, Class Medium, Class High

ANSWER: A



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Hard

346. How many bits are used for the network ID in a Class A address?

- A. 8
- B. 10
- C. 24
- D. 32

ANSWER: A

347. How often should computer hardware be cleaned?

- A. Once a year
- B. Every six months
- C. Every three months
- D. Monthly

ANSWER: C

348. What is the default subnet mask for a Class B address?

- A. 255.0.255.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 0.0.0.0

ANSWER: B

349. What is port 25 used for?

- A. HTTPS
- B. FTP
- C. SMTP
- D. DNS

ANSWER: C

350. What is the importance of regular system scans for malware?

- A. To detect and remove malicious software
- B. To improve computer performance
- C. To increase storage space
- D. To change the operating system

ANSWER: A

351. What is phishing?

- A. A type of malware
- B. A social engineering tactic used to steal personal information
- C. A hardware failure
- D. A network error

ANSWER: B

352. What is attenuation?

- A. The weakening of a signal over distance
- B. The distortion of a signal
- C. The interference of a signal
- D. The delay of a signal

ANSWER: A

353. When is WINS used?

- A. In older Windows networks
- B. In modern Windows networks
- C. In Linux networks
- D. In all types of networks

ANSWER: A

354. What is the OSI model?

- A. A physical network topology
- B. A reference model for network communication
- C. A network protocol
- D. A type of network device

ANSWER: B

355. What is a keylogger?

- A. Software that records keystrokes
- B. A virus that infects executable files
- C. An antivirus software
- D. A hardware

ANSWER: A

356. Which layer of the OSI model is responsible for physical transmission of data?

- A. Presentation layer
- B. Physical layer
- C. Application layer
- D. Transport layer

ANSWER: B

357. What is the TCP/IP model?

- A. A simplified version of the OSI model
- B. A proprietary network protocol
- C. A hardware component
- D. A type of network topology

ANSWER: A

358. How many layers are there in the TCP/IP model?

- A. 4
- B. 5
- C. 7
- D. 9

ANSWER: A

359. What is a web browser?

- A. A software application used to access the internet
- B. A type of hardware
- C. A network protocol
- D. A computer operating system

ANSWER: A

360. Which layer of the TCP/IP model is responsible for data transfer between applications?

- A. Application layer
- B. Transport layer
- C. Internet layer
- D. Network access layer

ANSWER: A

361. What is HTTPS?

- A. Hypertext Transfer Protocol Secure
- B. Hyper Secure Transfer Protocol
- C. Hyper Text Secure Protocol
- D. Hyper Text Secure Transfer

ANSWER: A

362. How often should you back up your data?

- A. Once a year
- B. Every six years
- C. Never
- D. Regularly, based on data importance

ANSWER: D

363. What is a bus topology?

- A. A network topology where all devices are connected to a central cable
- B. A network topology where computers are connected in a ring
- C. A network topology where servers are connected in a star pattern
- D. A network topology where devices are connected in a mesh pattern

ANSWER: A

364. How many bits are used for the host ID in a Class C address?

- A. 8
- B. 10
- C. 24
- D. 32

ANSWER: A

365. What is the function of a NIC?

- A. Connects a computer to a network
- B. Processes data
- C. Stores data
- D. Displays information

ANSWER: A

366. What is a CPU?

- A. Controlling Processing Unit
- B. Core Processing Unit
- C. Computer Processing Unit
- D. Central Processing Unit

ANSWER: D

367. What is a LAN?

- A. Lone Area Network
- B. Load Area Network
- C. Local Area Network
- D. Little Area Network

ANSWER: C

368. What is a domain name?

- A. A human-readable address for a website
- B. A type of software
- C. A hardware component
- D. A network protocol

ANSWER: A

369. What are some common uses of an intranet?

- A. Email, file sharing, collaboration
- B. Online shopping, social networking
- C. Gaming, streaming videos
- D. Public access to information

ANSWER: A

370. Which layer of the TCP/IP model is responsible for routing packets?

- A. Application layer
- B. Presentation layer
- C. Internet layer
- D. Network access layer

ANSWER: C

371. Which of the following is an example of broadband transmission?

- A. Ethernet
- B. Cable TV
- C. DSL
- D. All of the above

ANSWER: D

372. What is a network topology?

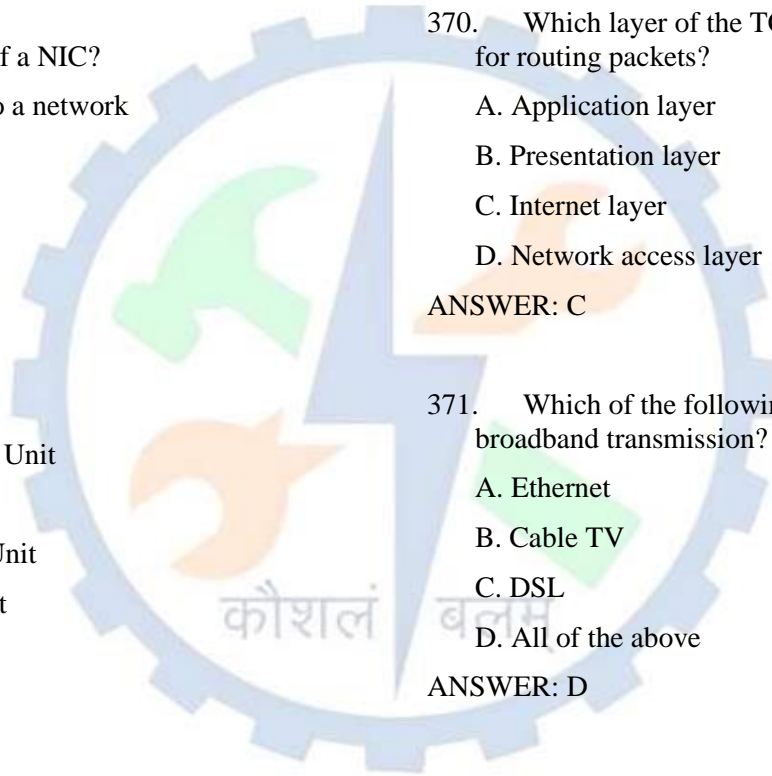
- A. The physical or logical arrangement of network devices
- B. The speed of data transmission
- C. The type of network media used
- D. The number of devices on a network

ANSWER: A

373. How do antivirus programs protect computers?

- A. By detecting and removing viruses
- B. By preventing virus infections
- C. By repairing damaged files
- D. All of these

ANSWER: D



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374. How many layers are there in the OSI model?

- A. 5
- B. 7
- C. 9
- D. 11

ANSWER: B

375. What is a broadband connection?

- A. A high-speed internet connection
- B. A type of software
- C. A hardware component
- D. A network protocol

ANSWER: A

376. What is MAC address?

- A. A unique identifier assigned to a NIC- Network Interface Card
- B. A software
- C. A hardware
- D. A network protocol

ANSWER: A

377. What is network security?

- A. Protecting a computer from Overheating
- B. Protecting a network from unauthorized access
- C. Ensuring network performance
- D. Managing network devices

ANSWER: B

378. What is the disadvantage of UDP?

- A. Less reliable
- B. Slower
- C. More complex
- D. Higher overhead

ANSWER: A

379. What is transmission media?

- A. The physical path through which data is transmitted
- B. The software used to transmit data
- C. The hardware used to transmit data
- D. The protocol used to transmit data

ANSWER: A

380. What is a NIC?

- A. Network Interface Card
- B. New Input Card
- C. Network Internal Component
- D. Network Integrated Circuit

ANSWER: A

381. What is a star topology?

- A. A network topology where all devices are connected to a central cable
- B. A network topology where devices are connected in a ring
- C. A network topology where devices are connected to a central hub or switch
- D. A network topology where devices are connected in a mesh pattern

ANSWER: C

382. Which device is used to connect multiple networks together?

- A. Hub
- B. Switch
- C. Router
- D. Repeater

ANSWER: C

383. Which network device operates primarily at the Data Link layer of the OSI model?

- A. Router
- B. Switch
- C. Hub
- D. Gateway

ANSWER: B

384. What device is used to extend the range of a wireless network?

- A. Router
- B. Repeater
- C. Switch
- D. Firewall

ANSWER: B

385. What is the purpose of using surge protectors?

- A. To protect computer equipment from power surges
- B. To increase internet speed
- C. To improve computer performance
- D. To reduce noise

ANSWER: A

386. Which topology is most suitable for fiber optic cable?

- A. Bus
- B. Star
- C. Ring
- D. Any of the above

ANSWER: D

387. Which device combines the functionality of a router and a wireless access point?

- A. Switch
- B. Hub
- C. Repeater
- D. Wireless Router

ANSWER: D

388. What is the primary function of a firewall in a network?

- A. Connecting devices
- B. Filtering incoming and outgoing traffic
- C. Amplifying signals
- D. Converting digital signals

ANSWER: B

389. Which network device uses MAC addresses to forward data to the correct destination?

- A. Router
- B. Switch
- C. Hub
- D. Modem

ANSWER: B

390. Which device connects different types of networks and converts data formats if necessary?

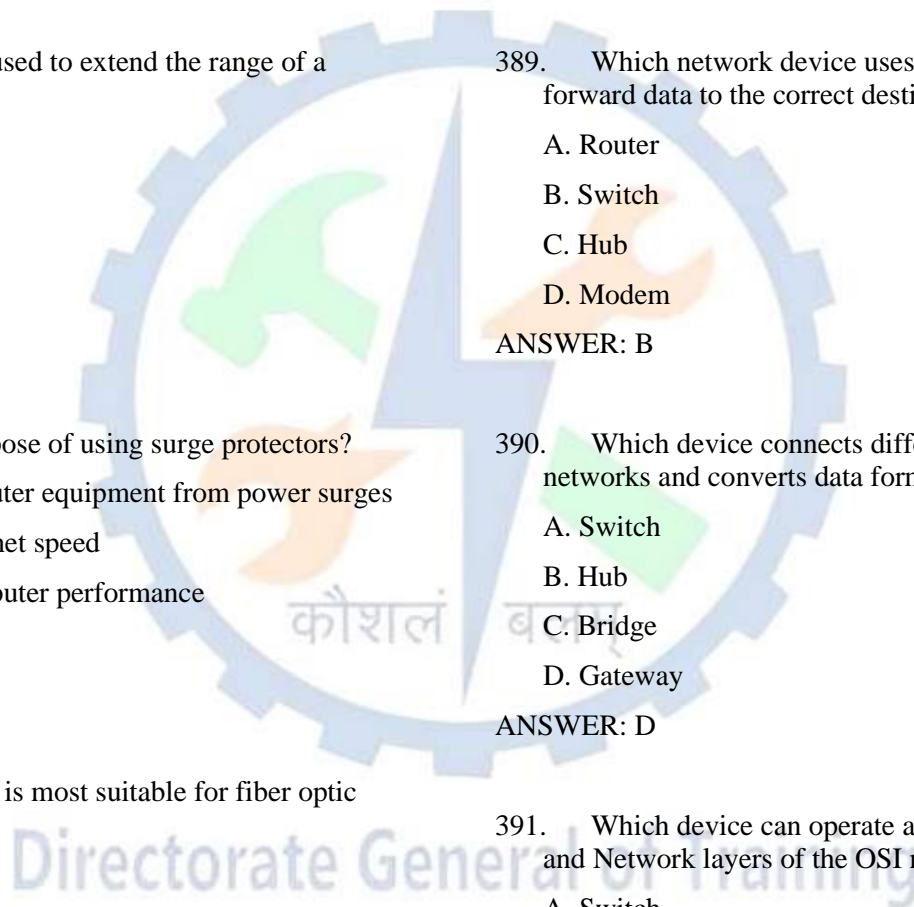
- A. Switch
- B. Hub
- C. Bridge
- D. Gateway

ANSWER: D

391. Which device can operate at both the Data Link and Network layers of the OSI model?

- A. Switch
- B. Hub
- C. Router
- D. Bridge

ANSWER: C



392. What is a ring topology?

- A. A network topology where all computers are connected to a central cable
- B. A network topology where devices are connected in a ring
- C. A network topology where devices are connected to a central switch
- D. A network topology where devices are connected in a mesh pattern

ANSWER: B

393. What is the purpose of the straight-through cable?

- A. To connect two computers directly
- B. To connect a computer to a router
- C. To connect a computer to a modem
- D. To connect two hubs

ANSWER: B

394. Which device provides a wireless network interface for devices to connect to a wired network?

- A. Hub
- B. Switch
- C. Wireless Access Point
- D. Repeater

ANSWER: C

395. Which type of communication occurs in real-time, where both sender and receiver must be active simultaneously?

- A. Synchronous Communication
- B. Asynchronous Connection
- C. Broadcast Communication
- D. Multicast Communication

ANSWER: A

396. Which network device is used to connect multiple devices on the same network and operates at the Physical layer?

- A. Repeater
- B. Hub
- C. Switch
- D. Router

ANSWER: B

397. Which device is commonly used to create a boundary between two or more networks, typically for security purposes?

- A. Router
- B. Firewall
- C. Switch
- D. Repeater

ANSWER: B

398. Which device forwards data to all ports regardless of the destination?

- A. Hub
- B. Motherboard
- C. Router
- D. Bridge

ANSWER: A

399. Which network device can provide network address translation (NAT)?

- A. Hub
- B. Bridge
- C. Router
- D. Repeater

ANSWER: C

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400. Which device is typically used to divide a network into smaller, manageable segments?

- A. Router
- B. Switch
- C. Bridge
- D. Hub

ANSWER: C

401. Which device is primarily used to block unauthorized access to a network?

- A. Router
- B. Switch
- C. Firewall
- D. Repeater

ANSWER: C

402. What is the primary purpose of a Virtual Private Network (VPN)?

- A. To filter web content
- B. To encrypt data and provide secure remote access
- C. To monitor network traffic
- D. To share files between computers

ANSWER: B

403. Which security protocol is used to secure wireless networks?

- A. HTTP
- B. FTP
- C. WEP
- D. WPA2

ANSWER: D

404. Which device enables communication between devices in different VLANs?

- A. Router
- B. Switch
- C. Bridge
- D. Hub

ANSWER: A

405. Which device can be used to detect and prevent malicious activities on a network?

- A. Switch
- B. Firewall
- C. Intrusion Detection System (IDS)
- D. Repeater

ANSWER: C

406. What is the main function of a content filtering system?

- A. Monitoring network traffic
- B. Blocking access to inappropriate or harmful websites
- C. Encrypting data transmissions
- D. Optimizing network performance

ANSWER: B

407. Which encryption protocol is commonly used to secure data transmitted over a network?

- A. SSL/TLS
- B. HTTP
- C. FTP
- D. Telnet

ANSWER: A

408. Which network security device can block traffic based on specific rules set by an administrator?

- A. Router
- B. Bridge
- C. Firewall
- D. Hub

ANSWER: C

409. Which type of malware is designed to replicate itself and spread to other systems?

- A. Trojan
- B. Virus
- C. Spyware
- D. Adware

ANSWER: B

410. What is the primary function of a network firewall?
- A. To encrypt data transmissions
 - B. To filter incoming and outgoing network traffic
 - C. To store and forward data packets
 - D. To manage network connections

ANSWER: B

411. What is the primary purpose of VPN tunneling?
- A. To compress data for faster transmission
 - B. To encrypt and encapsulate data for secure transmission
 - C. To monitor network traffic
 - D. To manage network bandwidth

ANSWER: B

412. Which security technique ensures that only authorized users can access specific network resources?
- A. Authentication
 - B. Encryption
 - C. Content Filtering
 - D. VPN

ANSWER: A

413. Which device is used to prevent unauthorized access to a wireless network?
- A. Switch
 - B. Access Point
 - C. Wireless Router
 - D. Firewall

ANSWER: D

414. What type of security policy involves restricting network access based on the time of day or location?
- A. Role-based Access Control (RBAC)
 - B. Time-based Access Control
 - C. Location-based Access Control
 - D. Network Segmentation

ANSWER: B

415. Which device is typically used to segment a network into secure and unsecure zones?
- A. Modem
 - B. Firewall
 - C. Router
 - D. Switch

ANSWER: B

416. What is the main purpose of using a proxy server in network security?
- A. To filter and cache web content
 - B. To monitor network performance
 - C. To encrypt network traffic
 - D. To share files between computers

ANSWER: A

417. Which security device can detect suspicious activity on a network and take action to stop it?
- A. Hub
 - B. Switch
 - C. Intrusion Prevention System (IPS)
 - D. Router

ANSWER: C

418. Which protocol is commonly used for secure VPN tunneling?
- A. HTTP
 - B. PPTP
 - C. FTP
 - D. SMTP

ANSWER: B

419. What does ARP stand for in networking?
- A. Address Resolution Protocol
 - B. Allowed Routing Protocol
 - C. Address Reallocation Protocol
 - D. Automatic Resolution Protocol

ANSWER: A

420. Which type of VPN connects remote users to a corporate network?

- A. Site-to-Site VPN
- B. Client-to-Site VPN
- C. Extranet VPN
- D. Intranet VPN

ANSWER: B

421. Which OSI layer does data encryption and decryption?

- A. Physical
- B. Presentation
- C. Application
- D. Transport

ANSWER: B

422. Which OSI layer is responsible for routing data between networks?

- A. Application
- B. Data Link
- C. Network
- D. Session

ANSWER: C

423. Which OSI layer provides reliable end-to-end communication?

- A. Application
- B. Transport
- C. Data Link
- D. Physical

ANSWER: B

424. What is UDP?

- A. User Datagram Protocol
- B. Universal Datagram Protocol
- C. Unified Datagram Protocol
- D. Unique Datagram Protocol

ANSWER: A

425. What is a GUI?

- A. A text-based interface for interacting with a computer
- B. A graphical interface for interacting with a computer
- C. A programming language
- D. A type of hardware

ANSWER: B

426. What is extranet?

- A. A network that connects an organization with its suppliers and customers
- B. A type of intranet
- C. A public network
- D. A hardware component

ANSWER: A

427. What is the purpose of a network?

- A. Sharing resources
- B. Playing games
- C. Watching videos
- D. Sending emails

ANSWER: A

428. Which media access method is used by CDMA networks?

- A. FDMA
- B. TDMA
- C. CDMA
- D. CSMA/CA

ANSWER: C

429. What is the purpose of the header and footer in OpenOffice Writer?

- A. To add text at the top and bottom of each page
- B. To format the main document content
- C. To insert images
- D. To create tables

ANSWER: A

430. What does the "if" statement in a shell script?

- A. To perform conditional execution
- B. To create loops
- C. To define functions
- D. To manipulate variables

ANSWER: A

431. Which topology is most reliable?

- A. Bus
- B. Star
- C. Ring
- D. Mesh

ANSWER: D

432. What is cleaning computer hardware?

- A. Removing dust and debris from components
- B. Replacing damaged components
- C. Upgrading the operating system
- D. Installing new software

ANSWER: A

433. What is email?

- A. Electronic mail
- B. Enhanced mail
- C. Efficient mail
- D. Extended mail

ANSWER: A

434. What is multiplexing?

- A. The process of combining multiple signals into a single channel
- B. The process of splitting a signal into multiple channels
- C. The process of amplifying signals
- D. The process of filtering signals

ANSWER: A

435. What is a wireless transmission media?

- A. A physical path for data transmission without using wires
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

436. What is radio wave transmission?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

437. What is microwave transmission?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

438. What is infrared transmission?

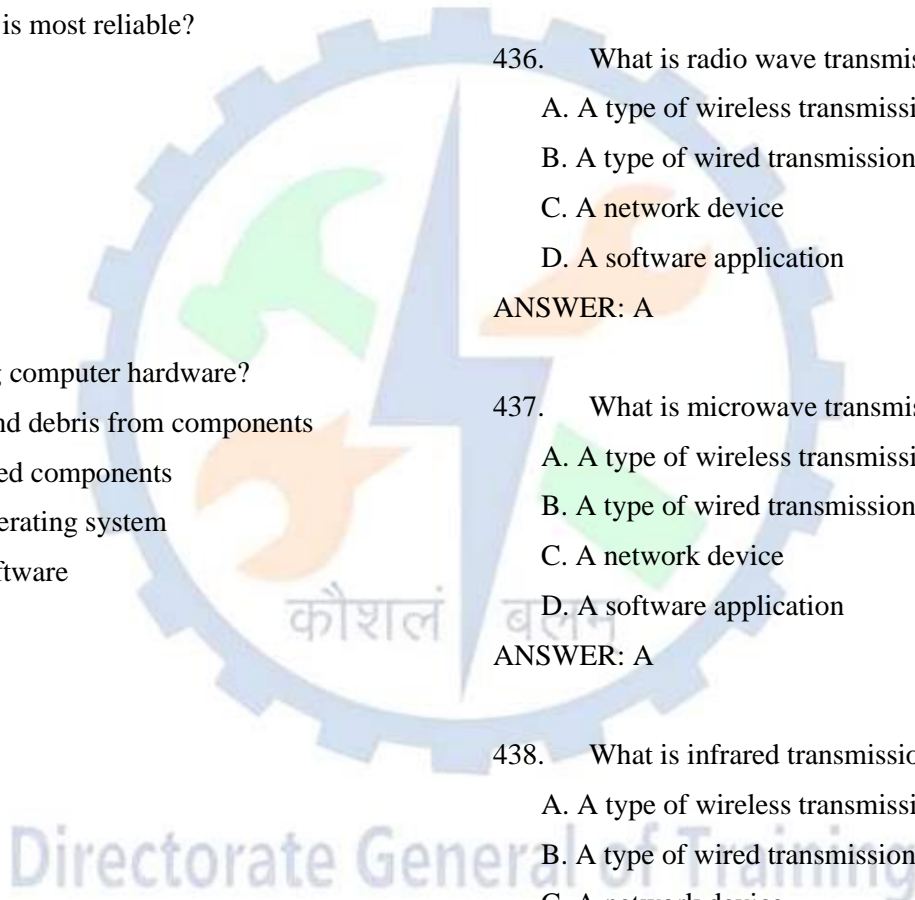
- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

439. What is a network?

- A. A collection of interconnected devices
- B. A single computer
- C. A software application
- D. A type of hardware

ANSWER: A



440. What is the difference between baseband and broadband transmission?
- A. Baseband transmits one signal at a time, while broadband transmits multiple signals simultaneously
 - B. Baseband is digital, while broadband is analog
 - C. Baseband is wired, while broadband is wireless
 - D. Baseband is slower than broadband

ANSWER: A

441. What is digital communication?
- A. Communication using continuous signals
 - B. Communication using discrete signals
 - C. A type of network topology
 - D. A type of modulation technique

ANSWER: B

442. Why is preventive maintenance important?
- A. To extend the life of hardware components
 - B. To improve computer performance
 - C. To prevent data loss
 - D. All of these

ANSWER: D

443. What is ping?
- A. A network utility to check connectivity
 - B. A new protocol
 - C. A network device
 - D. A network topology

ANSWER: A

444. What is tracert?
- A. A network utility to trace the route of packets
 - B. A new protocol
 - C. A network device
 - D. A network topology

ANSWER: A

445. What is Linux?
- A. A type of hardware
 - B. A programming language
 - C. An operating system
 - D. A network protocol

ANSWER: C

446. What is the purpose of a wire stripper?
- A. To remove the outer jacket of a cable
 - B. To crimp connectors onto wires
 - C. To test network cables
 - D. To connect computers to a network

ANSWER: A

447. Which type of communication allows data to be sent at any time, regardless of whether the receiver is ready?
- A. Synchronous Communication
 - B. Asynchronous Communication
 - C. Broadcast Communication
 - D. Multicast Communication

ANSWER: B

448. Which media access method allows multiple signals to be transmitted simultaneously?
- A. XDMA
 - B. FDMA
 - C. CSMA/CD
 - D. CDMA

ANSWER: D

449. What is a twisted pair cable?
- A. A type of wired transmission media
 - B. A type of wireless transmission media
 - C. A network device
 - D. A software application

ANSWER: A

450. What is a coaxial cable?

- A. A wired transmission media
- B. A wireless transmission media
- C. A network device
- D. A software application

ANSWER: A

451. What is baseband transmission?

- A. Transmission of a single signal over a communication channel
- B. Transmission of multiple signals over a communication channel
- C. A type of modulation technique
- D. A type of network topology

ANSWER: A

452. Which OSI layer is responsible for the end-to-end delivery of messages?

- A. Data Link
- B. Transport
- C. Network
- D. Session

ANSWER: B

453. What type of proxy server can cache content to reduce load times for frequently accessed resources?

- A. Transport Proxy
- B. Roll Proxy
- C. Web Proxy
- D. Caching Proxy

ANSWER: D

454. What is the purpose of the "find" command in a shell script?

- A. To search for files and directories
- B. To create files and directories
- C. To modify file permissions
- D. To change file ownership

ANSWER: A

455. How does POP work?

- A. Downloads emails to the client computer
- B. Stores emails on the mail server
- C. Accesses emails through a web browser
- D. Uses a push-based system

ANSWER: A

456. Which OSI layer handles error detection and correction?

- A. Presentation
- B. Data Link
- C. Network
- D. Transport

ANSWER: B

457. What is HDD or Hard Disk Drive?

- A. A type of primary storage
- B. An output device
- C. A type of input device
- D. A type of network device

ANSWER: A

458. Which protocol is used to invoke web services in a standardized way?

- A. SOAP
- B. TCP
- C. ICMP
- D. SNMP

ANSWER: A

459. Which device is responsible for forwarding packets based on IP addresses?

- A. Hub
- B. Repeater
- C. Router
- D. Bridge

ANSWER: C

460. Which protocol is often used to establish a VPN connection over the internet?

- A. DNS
- B. IPsec
- C. FTP
- D. DHCP

ANSWER: B

461. Which type of VPN is typically used to connect two or more corporate networks over a public network?

- A. Client-to-Site VPN
- B. Intranet VPN
- C. Site-to-Site VPN
- D. Extranet VPN

ANSWER: C

462. Which layer of the OSI model deals with the mechanical and electrical specifications of the network interface?

- A. Application
- B. Physical
- C. Presentation
- D. Transport

ANSWER: B

463. Which of the following is a characteristic of asynchronous communication?

- A. Real-time data exchange
- B. No need for synchronization
- C. Continuous data flow
- D. Both sender and receiver are active simultaneously

ANSWER: B

464. What does RADIUS stand for?

- A. Remote Authentication Dial-In User Service
- B. Routing and Addressing Dial-Up System
- C. Remote Access Directory User System
- D. Reliable Authentication Database User Service

ANSWER: A

465. Which tunneling protocol is often used in combination with IPsec for a secure VPN?

- A. PPTP
- B. L2TP
- C. GRE
- D. HTTPS

ANSWER: B

466. What is the PUT method used for?

- A. Retrieving data from a server
- B. Sending data to a server
- C. Updating or creating a resource
- D. Deleting data from a server

ANSWER: C

467. What is a router?

- A. A network device that forwards data packets between networks
- B. A device that amplifies network signals
- C. A device to convert analog signals to digital signals
- D. A protocol that connects multiple devices together

ANSWER: A

468. What is the DELETE method used for?

- A. Retrieving data from a server
- B. Sending data to a server
- C. Updating data on a server
- D. Deleting a resource

ANSWER: D

469. What is the primary purpose of a proxy server?

- A. To store data
- B. To act as an intermediary between a client and a server
- C. To monitor network traffic
- D. To encrypt communications

ANSWER: B

470. Which of the following IP addresses is a Class C address?

- A. 192.168.1.1
- B. 172.16.0.1
- C. 10.0.0.1
- D. 224.0.0.1

ANSWER: A

471. Which media access method divides the channel into time slots?

- A. XDMA
- B. TDMA
- C. CDMA
- D. CSMA/CD

ANSWER: B

472. What is a man-in-the-middle attack?

- A. A hardware failure
- B. A type of malware
- C. A network error
- D. An attacker intercepts communication between two parties

ANSWER: D

473. What is the purpose of IMAP IDLE?

- A. To check for new emails periodically
- B. To keep a continuous connection to the server
- C. To delete emails from the server
- D. To improve email security

ANSWER: B

474. Which type of tunneling encapsulates one type of protocol within another to enable secure communication?

- A. HTTP Tunneling
- B. GRE Tunneling
- C. VPN Tunneling
- D. Proxy Tunneling

ANSWER: C

475. What is nslookup?

- A. A network utility to query DNS information
- B. A network protocol
- C. A network device
- D. A network topology

ANSWER: A

476. What is a VPN?

- A. Virtual Private Network
- B. Very Private Network
- C. Video Private Network
- D. Voice Private Network

ANSWER: A

477. What is the purpose of the toolbar in OpenOffice applications?

- A. To display the document content
- B. To provide quick access to common commands
- C. To manage files
- D. To edit text

ANSWER: B

478. What is VoIP?

- A. Voice over Internet Protocol
- B. Video over Internet Protocol
- C. Voice over IP Phone
- D. Voice over Internet Phone

ANSWER: A

479. What is a hardware driver?

- A. A software program that allows the operating system to communicate with hardware
- B. A type of hardware component
- C. A file system
- D. A network protocol

ANSWER: A

480. What does the "rm" command do in Linux?

- A. Remove file or directory
- B. Rename file or directory
- C. Read file
- D. Write to file

ANSWER: A

481. Which port number is commonly used for IMAP?

- A. 110
- B. 143
- C. 25
- D. 587

ANSWER: B

482. What is the purpose of styles in OpenOffice Writer?

- A. Formats text consistently
- B. Creates tables
- C. Inserts images
- D. Checks spelling

ANSWER: A

483. What is modulation?

- A. The process of converting digital signals into analog signals
- B. The process of converting analog signals into digital signals
- C. The process of amplifying signals
- D. The process of filtering signals

ANSWER: A

484. What is a MAN?

- A. Metropolitan Area Network
- B. Mobile Any Network
- C. Main Area Network
- D. Multiple Any Network

ANSWER: A

485. How do you typically open an existing file in OpenOffice?

- A. Press the "New" button
- B. Use the "Open" command
- C. Click on the file in the operating system
- D. All of the above

ANSWER: D

486. What media access control method does Wi-Fi use?

- A. FTDMA
- B. CSMA/CA
- C. CDMA
- D. Polling

ANSWER: B

487. What protocol is commonly used for web services communication?

- A. FTPs
- B. HTTP
- C. SMTP
- D. Telnet

ANSWER: B

488. What is a slide master in OpenOffice Impress?

- A. A predefined layout for slides
- B. A type of chart
- C. A sound effect
- D. A transition effect

ANSWER: A

489. What is a partition?

- A. A physical division of a hard drive
- B. A logical division of a hard drive
- C. A file system format
- D. A type of file

ANSWER: B

490. What are the three main types of logs in the Event Viewer?

- A. System, Application, and Security
- B. Error, Warning, and Information
- C. Critical, Error, and Warning
- D. Debug, Information, and Verbose

ANSWER: A

491. What is a motherboard?

- A. The main circuit board of a computer
- B. A storage device
- C. A type of processor
- D. A cooling component

ANSWER: A

492. What is HTTP?

- A. Hypertext Transfer Protocol
- B. Hello Text Transfer Protocol
- C. Hyper Transfer Text Protocol
- D. Hyper Text Transport Protocol

ANSWER: B

493. What device is used to boost signals in a wireless network?

- A. Access Point
- B. Router
- C. Repeater
- D. Firewall

ANSWER: C

494. Which OSI layer is responsible for the logical connection between devices?

- A. Application
- B. Data Link
- C. Physical
- D. Session

ANSWER: D

495. Which LAN security measure involves restricting access to specific devices based on their MAC address?

- A. IP Filter
- B. MAC Address Filtering
- C. Content Filtering
- D. Port Filtering

ANSWER: B

496. How do you insert a table in OpenOffice Writer?

- A. Use the "Insert" -> "Table" menu
- B. Press the "Tab" key multiple times
- C. Use the "Draw" toolbar
- D. All of the above

ANSWER: A

497. Which method is used to verify the identity of a user attempting to access a network?

- A. Content filtering
- B. Authentication
- C. Encryption
- D. Phishing

ANSWER: B

498. Which protocol is used to dynamically assign IP addresses to devices on a network?

- A. ARP
- B. RARP
- C. DHCP
- D. ICMP

ANSWER: C

499. What is a query in OpenOffice Base?

- A. A request for specific data from a database
- B. A table
- C. A form
- D. A report

ANSWER: A

500. What is the function of the RARP protocol in a network?

- A. To map IP addresses to MAC addresses
- B. To retrieve an IP address given a MAC address
- C. To translate domain names into IP addresses
- D. To route data packets between networks

ANSWER: B

501. What is a shape in OpenOffice Draw?

- A. A basic geometric object
- B. A text box
- C. A picture
- D. A line

ANSWER: A

502. What is a slide transition in PowerPoint?

- A. The animation effect between slides
- B. A chart type
- C. A formula for calculating values
- D. A data validation rule

ANSWER: A

503. What is a switch?

- A. A network device that directs data packets to their destination
- B. A device that amplifies network signals
- C. A device to convert analog signals to digital signals
- D. A device that connects multiple devices together

ANSWER: A

504. Which of the following is an example of baseband transmission?

- A. Ethernet
- B. Cable TV
- C. DSL
- D. Wi-Fi

ANSWER: A

505. Which class of IP addresses is reserved for experimental purposes?

- A. Class A
- B. Class X
- C. Class C
- D. Class E

ANSWER: D

506. What is the advantage of broadband transmission over baseband transmission?

- A. Higher data rate
- B. Better error correction
- C. Less noise
- D. All of the above

ANSWER: D

507. What is throughput?

- A. Actual data rate achieved in a communication system
- B. The theoretical maximum data rate of a communication channel
- C. The time taken for a data packet to travel from one point to another
- D. The error rate of a communication channel

ANSWER: A

508. What is broadband transmission?

- A. Transmission of a single signal over a communication channel
- B. Transmission of multiple signals over a communication channel
- C. A type of modulation technique
- D. A type of network topology

ANSWER: B

509. What is crimping?

- A. The process of connecting wires to a connector
- B. The process of testing network cables
- C. The process of installing network devices
- D. The process of configuring network settings

ANSWER: A

514. What is a malware?

- A. A general term for malicious software
- B. A specific type of virus
- C. A hardware
- D. A network protocol

ANSWER: A

510. What is a hidden device in the Device Manager?

- A. A device that is physically broken
- B. A device that is not currently installed
- C. A device that is not visible by default
- D. A device that is malfunctioning

ANSWER: C

515. What is adware?

- A. Software that displays unwanted ads
- B. A virus that infects executable files
- C. An antivirus software
- D. A hardware

ANSWER: A

511. What is real-time protection?

- A. An antivirus feature that constantly monitors a computer for threats
- B. A type of antivirus software
- C. A hardware component
- D. A network protocol

ANSWER: A

516. What is a polymorphic virus?

- A. A virus changing its code to avoid detection
- B. A virus that infects multiple files
- C. An antivirus software
- D. A hardware

ANSWER: A

512. What is a worm?

- A. A self-replicating program that spreads through networks
- B. A virus that infects executable files
- C. A type of antivirus software
- D. A hardware component

ANSWER: A

517. What is a stealth virus?

- A. A virus that hides its presence on a computer
- B. A virus that infects executable files
- C. A network protocol
- D. A hardware

ANSWER: A

513. What is a spam email?

- A. An unwanted email
- B. A virus-infected email
- C. A legitimate email
- D. A type of antivirus software

ANSWER: A

518. What is a logic bomb?

- A. A malicious program that triggers an action under specific conditions
- B. A virus that infects the boot sector
- C. A network protocol
- D. A hardware

ANSWER: A

519. What is a Denial-of-Service (DoS) attack?
- A. Overloading a system to prevent legitimate users from accessing it
 - B. A type of malware
 - C. A social engineering tactic
 - D. A hardware failure

ANSWER: A

520. What is a backdoor?
- A. A way for an attacker to gain unauthorized access to a system
 - B. A network protocol
 - C. A hardware component
 - D. An antivirus

ANSWER: A

521. What does firewall do?
- A. Prevents unauthorized access to a network
 - B. Speeds up internet connections
 - C. Protects against hardware failures
 - D. Improves computer performance

ANSWER: A

522. What is an HTTP method?
- A. A type of web browser
 - B. A way to interact with web servers
 - C. A network protocol
 - D. A type of web application

ANSWER: B

523. What is a PSU or power supply unit?
- A. Provides power to the computer components
 - B. Stores data
 - C. Processes information
 - D. Displays output

ANSWER: A

524. What is the difference between a straight-through and crossover cable?
- A. The arrangement of wire pairs in the connectors
 - B. The length of the cable
 - C. The type of connector used
 - D. The speed of data transmission

ANSWER: A

525. What is a client?
- A. A computer that provides services to other computers
 - B. A computer that requests services from other computers
 - C. A software application
 - D. A network device

ANSWER: B

526. What is the client-server model?
- A. A distributed computing model where clients request services from servers
 - B. A centralized computing model
 - C. A peer-to-peer computing model
 - D. A cloud computing model

ANSWER: A

527. What is a server?
- A. A computer that provides services to other computers
 - B. A computer that requests services from other computers
 - C. A software application
 - D. A network device

ANSWER: A

528. What is analog communication?
- A. Communication using continuous signals
 - B. Communication using discrete signals
 - C. A type of network topology
 - D. A type of modulation technique

ANSWER: A

529. What is noise?

- A. Unwanted signals that interfere with data transmission
- B. The weakening of a signal over distance
- C. The distortion of a signal
- D. The delay of a signal

ANSWER: A

530. What is the advantage of digital communication over analog communication?

- A. Higher data rate
- B. Better error correction
- C. Less noise
- D. All of the above

ANSWER: D

531. What is the Internet?

- A. A global network of computers
- B. A local area network
- C. A software
- D. An antivirus

ANSWER: A

532. What is demodulation?

- A. The process of converting digital signals into analog signals
- B. The process of converting analog signals into digital signals
- C. The process of amplifying signals
- D. The process of filtering signals

ANSWER: B

533. How can you update a device driver?

- A. Through the Device Manager
- B. By downloading the driver from the manufacturer's website
- C. Both A and B
- D. Neither A nor B

ANSWER: C

534. What is the primary function of an antivirus program?

- A. Protecting a computer from viruses and malware
- B. Speeding up a computer
- C. Increasing storage capacity
- D. Improving internet speed

ANSWER: A

535. What is the GET method used for?

- A. Retrieving data from a server
- B. Sending data to a server
- C. Updating data on a server
- D. Deleting data from a server

ANSWER: A

536. What is a DDoS attack?

- A. Distributed Denial of Service
- B. Direct Dual Service
- C. Data Denial Service
- D. Digital Denial of Service

ANSWER: A

537. What is DNS used for?

- A. Resolving domain names to IP addresses
- B. Sending emails
- C. Transferring files
- D. Managing network devices

ANSWER: A

538. What is a crimping tool used for?

- A. Cutting wires
- B. Connecting wires to connectors
- C. Testing network cables
- D. Stripping wire insulation

ANSWER: B

539. What should you do if your computer overheats?

- A. Ignore it
- B. Increase the fan speed
- C. Check for dust buildup and improve ventilation
- D. Overclock the CPU

ANSWER: C

540. What is a protocol?

- A. A set of rules for communication between devices
- B. A type of hardware
- C. A software application
- D. A network topology

ANSWER: A

541. How do you start a slide show in OpenOffice Impress?

- A. Press the "F5" key
- B. Click the "Slide Show" button
- C. Use the "File" -> "Slide Show" menu
- D. All of these

ANSWER: D

542. Which OSI layer is responsible for the transmission of raw bit streams over a physical medium?

- A. Application
- B. Physical
- C. Network
- D. Transport

ANSWER: B

543. Which of the following is a RESTful web service method?

- A. CONNECT
- B. POST
- C. REPEAT
- D. TRACE

ANSWER: B

544. What is the purpose of a desktop environment?

- A. To provide a graphical interface for users
- B. To manage hardware resources
- C. To run applications in the background
- D. To control network connections

ANSWER: A

545. What is subnet masking?

- A. Dividing a network into smaller subnetworks
- B. Protecting a network from unauthorized access
- C. Increasing network speed
- D. Improving network reliability

ANSWER: A

546. What is the primary function of ARP in a network?

- A. To convert domain names to IP addresses
- B. To resolve IP addresses to MAC addresses
- C. To assign IP addresses to devices
- D. To route data packets to the destination

ANSWER: B

547. Which type of attack involves intercepting and altering communication between two parties?

- A. Brute Force
- B. Denial of Service (DoS)
- C. Man-in-the-Middle
- D. Phishing

ANSWER: C

548. What device converts digital signals to analog signals and vice versa for communication over telephone lines?

- A. Switch
- B. Modem
- C. Router
- D. Bridge

ANSWER: B

549. What is IP?

- A. Internet Protocol
- B. Internal Protocol
- C. Integrated Protocol
- D. Internet Program

ANSWER: A



Directorate General of Training